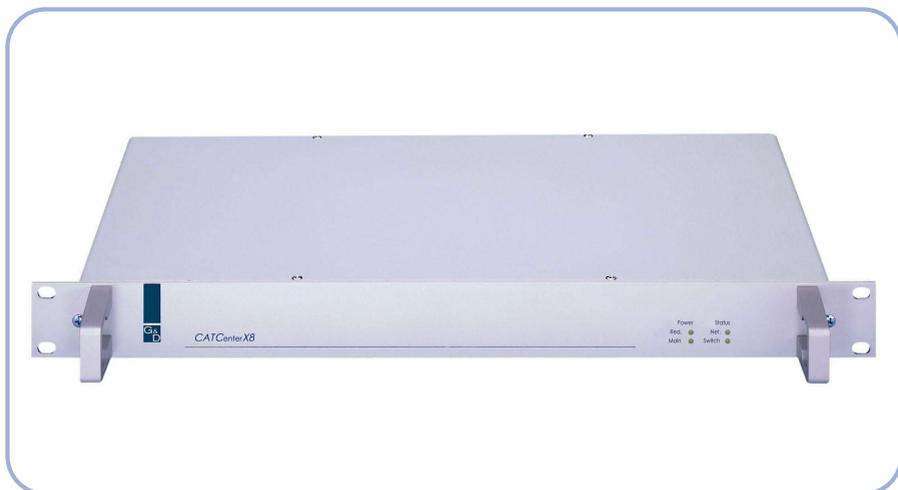


G&D CATCenter



EN

Operation Guide

Operating the matrix switch

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1 Description

1.1 Component Introduction

The CATCenter line includes the following devices:

- CATCenter X2: Allows you to control up to 16 targets via 2 consoles (console = monitor-keyboard-mouse). The number of targets can be increased to 1024 by cascading.
- CATCenter X4: Allows you to control up to 32 targets via 4 consoles. The number of targets can be increased to 2048 by cascading.
- CATCenter X8: Allows you to control up to 32 targets via 8 consoles. The number of targets can be increased to 512 by cascading.

In principle, all three products are identical. Functional differences are highlighted separately in this manual. Otherwise, this manual pertains only to the CATCenter.

Both targets and consoles are connected to the CATCenter using CAT-x cables (x = 5, 6, 7). Cabling is reduced to a minimum.

The consoles are connected to the CATCenter via the UCON devices. The UCON are used to connect the monitor, keyboard, and mouse.

The UCON-IP offers the additional option of remotely administering the targets connected to the CATCenter via TCP/IP or ISDN (or DSL). The UCON-IP is described in a separate manual!

The targets are connected to the CATCenter via the CPU module CATpro2. The CATpro2 optimizes the signals for transmission via the CAT cable. The distance between a target connected via a CATpro2 and a UCON can be up to 300 meters.

Power is supplied to the connected targets using HardBoot CCX. Up to 128 users per CATCenter can be connected to the OSD with HardBoot CCX.

Therefore, the CATCenter makes an active contribution towards saving costs, energy, and space for additional input devices and towards using the connected targets more efficiently.

The users have comfortable access to the capabilities of several targets via several consoles. The multitude of possible consoles combined with the remote access option allows the user to develop individual operating concepts.

1.2 Principle of Operation

The CATCenter is an electronic switch, which includes the following functionality:

- Password protection and LOGOUT
- Extensive network functionality, e.g. syslog message output, authentication, time leveling using a time server (only with CATCenter X8)
- Intelligent user management
- Configuration of the entire system using the configuration software CATCenter view (only with CATCenter X8)
- Configurable target access for each user
- Full keyboard / mouse emulation for error-free operation
- SUN-USB keyboard support, also on the console side (with conversion, connecting a SUN keyboard with miniDIN8 connector is also possible)
- Full support of the Microsoft Explorer mouse
- Video bandwidth up to 250 MHz
- Switching via keyboard hotkey or ADONIS
- ADONIS configurable
- USB support (keyboard and mouse, remote via converter with UCON-a)
- Intelligent "CPU Search" function
- Multi-access mode
- Flash upgrade capability

1.3 Delivery Condition / Default Settings

In the delivery condition, the CATCenter is configured as follows:

- **LOGIN** via admin access
- No user password assigned
- Configuration only possible via administrator login
- Hotkey „**CTRL**“

1.4 Administrator Login

If you want to change the default settings, enter your administrator username in the "Name" field and your administrator password in the "Password" field of the **LOGIN** window. Please obtain this information from your administrator.

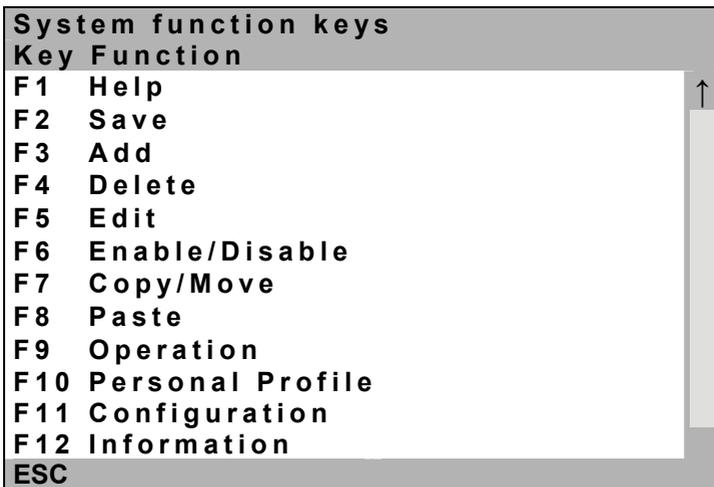
Using the administrator login, you always have access to all configuration levels regardless of the current settings.

Of course, user logins can also be granted configuration rights (see [Chapter 5.1.1.3](#)).

For your own security, please remove the administrator password from the operating manual.

1.5 Function Key Overview

After the **SELECT** menu has been opened using the key combination (**CTRL + NUM**), you can display the ADONIS function keys. To do so, press the **F12** key and select the submenu "**VIEW SYSTEM-FUNCTION KEYS**" in the **INFORMATION** menu that opens (see [Chapter 6.3](#))



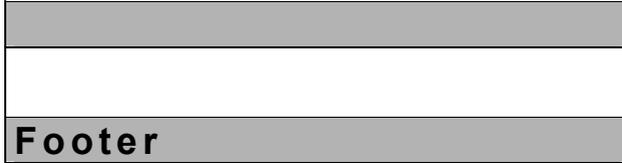
System function keys	
Key	Function
F1	Help
F2	Save
F3	Add
F4	Delete
F5	Edit
F6	Enable/Disable
F7	Copy/Move
F8	Paste
F9	Operation
F10	Personal Profile
F11	Configuration
F12	Information
ESC	

1.6 Definition of Terms

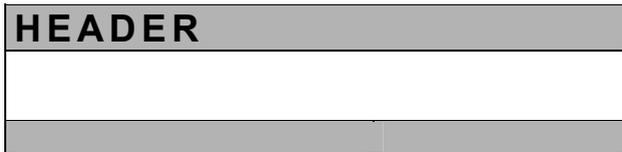
This chapter explains terms that are found frequently throughout this manual.

AdonIS	The AdonIS is the graphical user interface of the CATCenter system. You can use AdonIS for operation and configuration. In addition, AdonIS offers controlled access to the entire CATCenter system via the login functionality.
Cascading	A cascade consists of a master-slave architecture. The master serves as the central control unit for all connected slave devices. A CATCenter cascade can be used to increase the number of targets that can be connected to 512, 1024 or 2048 (depending on the CATCenter used).
CATCenter	The CATCenter is the central unit of the overall system. The CATCenter is the connection point for (2, 4, or 8) consoles on the one hand and (16) 32 targets on the other hand. If more than (16) 32 targets are connected then this takes place by cascading; in this case, the CATCenter is used both as master and as slave.
CATpro2	Dongle used to connect the targets to the CATCenter. The keyboard, video, and mouse signals are modulated by the CATpro2 and transmitted to the CPU interface of the CATCenter via a CAT-x cable (x=5,6,7).
CAT-x-Cable	Fully shielded CAT cable that transports the modulated KVM signals.
Console	A console consists of keyboard, video, and mouse. These peripheral devices are connected to the UCON.
Console Port	RJ45 interface on the CATCenter used to connect the UCON devices.
CPU Port	RJ45 interface on the CATCenter used to connect the targets.

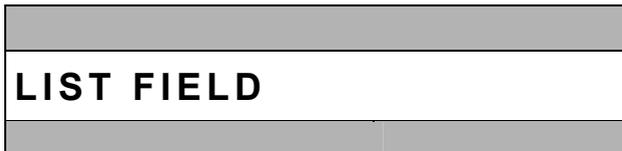
Footer The header is the lower blue area of an Adonis window.



Header The header is the upper blue area of an Adonis window.



List field The list field is the middle area of an Adonis window.



Network Ethernet with IP protocol.

Service Port You can install a firmware update on the CATCenter via the service port (2.5 mm plug). You will find the CATCenter service port on the front of the device.

Target A target is any device that can be operated via a CATCenter.

Transmission RJ45 interface of the UCON products used to connect to the CATCenter. The transmission interface is connected to a console port of the CATCenter with a CAT-x cable.

UCON The UCON devices are used for console connections and thus provide the user with access to the CATCenter system. The user can operate and configure via the UCON devices. The UCON devices are offered in five variations (UCON, UCON-a, UCON-s, UCON-IP-eco, UCON-IP).

2 Principle of Operation

2.1 CATCenter Login

Login	CON 00002005
User name <input type="text"/>	
Password <input type="password"/>	
ESC	G & D CATCenter TAB Enter

After turning on the CATCenter, the **LOGIN** window appears. Enter your **USER** name and personal **USER** password here. The number of attempts is not limited.

The user name and password are case-sensitive.

Confirm your entry in each field using the **ENTER** key. You can use the **TAB** key to switch between the input fields. **ESC** cancels data entry.

If the device is still in the delivery condition (no user passwords have been assigned), then the system can only be accessed using the administrator login. You will find this as an attachment in printed version of this manual.

To change the delivery condition of the device, you also have to enter the administrator password. This provides you with additional configuration rights (see [Chapter 1.4](#)).

After this information has been entered, the **SELECT** menu appears (see [Chapter 2.4](#)).

Targets can be selected using AdonIS (see [Chapter 2.2](#)) or a keyboard hotkey (see [Chapter 2.3](#)).

2.2 System Operation using AdonIS

2.2.1 Accessing AdonIS

Access AdonIS by pressing and holding the **CTRL** key (**default**) and then pressing the **NUM** key.

2.2.2 Using AdonIS

AdonIS can be operated using the keyboard or the mouse.

2.2.2.1 Keyboard Operation

The following keys are available to operate AdonIS, and they carry out the same actions in all windows:

		Move up / down 1 entry
		Move up / down 10 entries
		Move to the end / beginning of the entire list
		Carry out or discard function / selection
		Access the Operation menu
		Access the Personal Profile menu
		Access the Configuration menu
		Access the Information menu

2.2.2.2 Mouse Operation

AdonIS can also be operated using the mouse.

- Scrolling → Selecting an entry
- Left button → Enter
- Right button → Escape

This assignment applies to all AdonIS windows.

2.3 Target Selection Using Hotkey

In the delivery condition, no select keys for direct selection of a target have been defined. You first have to define these select keys in the **ASSIGN SELECT KEY** submenu (see [Chapter 4.4](#)) for a maximum of 10 targets.

To switch, you then press and hold the **CTRL** key and press the **NUMBER** key of the desired channel according to your settings in the **ASSIGN SELECT KEY** submenu (see [Chapter 4.4](#)).

Allowable number keys are those above the letters, from 1 – 0 (default setting).

Selection of target 1: **CTRL (or any other definable Hotkey) + 1**

The default setting starts with 1 and ends with 0. The hotkey combination can be modified (see [Chapter 5.8.1](#)).

Once a selection has been made using the keyboard or mouse, the name of the **TARGET** and the switch is displayed on your screen for approx. 5 seconds (*screen display*).

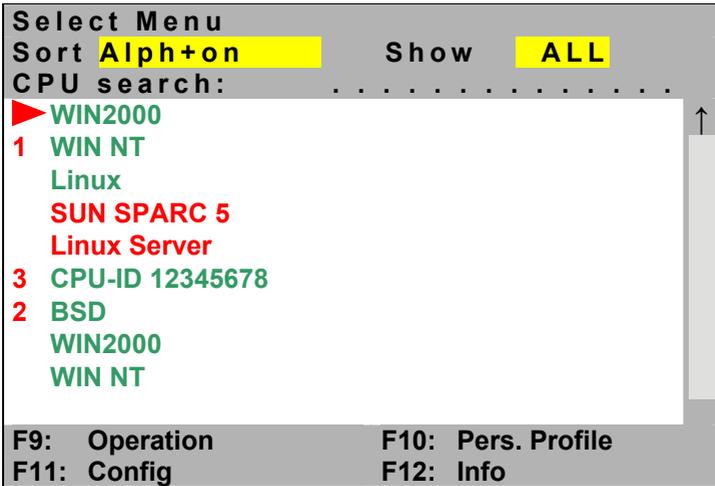
Example:

Win 2000	(Target name, editable)
Console 1	(Console name, editable)

2.4 The Target Selection SELECT Menu

After the LOGIN, the **SELECT** menu is automatically opened.

This menu shows all targets connected to the CATCenter. The targets that are turned on and were detected during installation are displayed in green (the CATCenter detects a target when the CATpro2 is supplied with power by the target). Targets that are turned off are displayed in red.

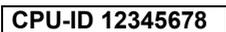


CPU Search Function



To find the desired target quickly, the **SELECT** menu has a search function. Enter the name of the desired target. The search is carried out as soon as you start entering characters.

Target Name



By default, the target name corresponds to the ID number of the CATpro2 used. Each CATpro2 is assigned a unique ID. This ID is marked on a label on the CATpro2. This target name can be edited in the **SELECT** menu.

To do so, place the cursor onto the desired target and then press the **F5** key. The field changes to edit mode (font color changes to YELLOW). After you have made all required changes to the target name, confirm your changes by pressing **ENTER**. This exits edit mode for this target.

Alternatively, the target name can be edited in the **TARGET MANAGEMENT** menu (see [Chapter 5.3](#)).

Hotkey Assignment

To access a target using a hotkey combination (e.g. **CTRL + 1**), you have to assign a hotkey to the target. This is done in the **SYSTEM CONFIG** submenu. First, you define the initial hotkey (see [Chapter 5.8.1](#), Defining the Initial Hotkey), and then you assign the desired select keys to a maximum of 9 targets (see [Chapter 5.8.3](#), Establishing the Select Key).

TAB / Change Sort Criteria (Sort Mode ► A l p h + ◀)

Press **TAB** in the **SELECT** menu to move to the sort field. Change the sort criteria by pressing **SPACEBAR** (toggle).

The following sort options are available:

- Alph+:** Ascending alphabetic sort of the targets
- Alph+on:** 1. Ascending alphabetic sort of the connected targets and subsequently (Default)
2. Ascending alphabetic sort of the unconnected targets
- Alph-:** Descending alphabetic sort of the targets
- Alph-on:** 1. Descending alphabetic sort of the connected targets and subsequently
2. Descending alphabetic sort of the unconnected targets
- ID:** Displays the physical name of the CATpro2

"Show" Area - Changing the Display Mode:

By default, the **"Show Field"** includes the items "All" and "GRP".

- "ALL"** means: All targets are displayed in the list field.
"GRP" means: Only groups are displayed in the list field.

If you already selected a group earlier and you access the **SELECT** menu again, then the **Show Field** displays the selections "All", "GRP", and the group name of the last group you selected ("Last Group").

"ALL" means:	All targets are displayed in the list field.
"GRP" means:	Only groups are displayed in the list field.
"Last Group" means:	Targets that belong to the last group you accessed are displayed. "Last Group" is a variable that stands for the group name.

You can exit all three versions of the **SELECT** menu using the **ESC** key. This takes you back to the target.

2.4.1 Accessing Other Menus

You can access other menus from the **SELECT** menu. These menus have predefined **F-Keys**.

In particular, these **F-Keys** are:

- **F 9 Access the "OPERATION menu" (see Chapter 3)**
In this menu, you carry out operations you require for the day-to-day use of the system.
- **F 10 Access the "PERS. PROFILE menu (see Chapter 4)**
User-related settings are established in this menu.
- **F 11 Access the "CONFIGURATION menu" (see Chapter 5)**
Central configuration settings for the CATCenter are established in this menu. Administrators and users with configuration rights are authorized to access this menu. These users can either access all entries under this menu, or they are assigned the right to access certain configuration submenus by the administrator.
- **F 12 Access the "INFORMATION menu" (see Chapter 6)**
This menu contains information regarding the CATCenter being used.

2.4.2 SELECT Menu Symbols

The following symbols are displayed as supplemental information in front of the target name:

	Target being accessed by your own console.
2	Target being accessed by 2 consoles, for example. Numbering is from 1 – 9 (and A – F accessed by 2 CATCenter + CATpro2-UC). Your own console is not accessing this target currently. If your own console is accessing the target, the symbol changes ().

2.4.3 User-Related Target Display

Due to the option to assign user-specific access rights (see [Chapter 5.1.1.5](#)), the **SELECT** menu can display different targets for different users.

If a user does not have access to one or more targets, then they are not displayed in the **SELECT** menu.

If a user has **VIEW ONLY access** to a target (see [Chapter 5.1.1.5](#)), then this target is included in the selection list. However, a corresponding message appears in the *screen display* if this target is selected.

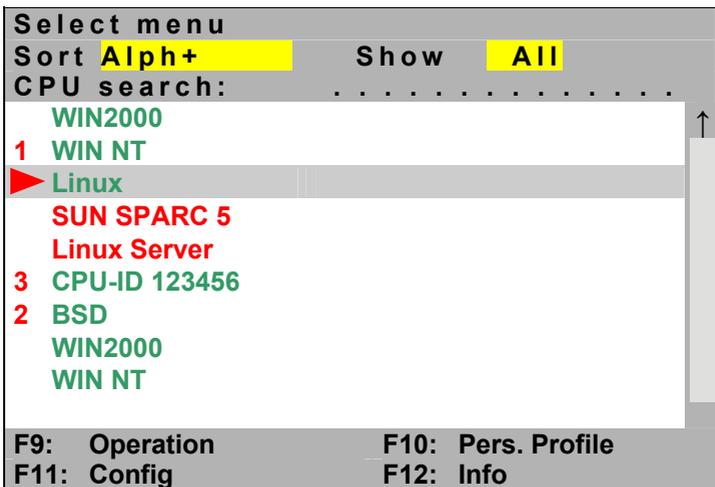
2.4.4 Target Info "Ctrl + F12"

The **SELECT** menu shows all targets connected to the CATCenter. The targets that are turned on are displayed in green; those that are turned off are displayed in red.

However, this display method does not give you any information regarding the connection location of the targets on the CATCenter.

To receive this connection information, proceed as follows:

- a) Select a target with the mouse or the keyboard (arrow keys). This selection is not confirmed with the **ENTER** key or double-clicking with the mouse. The selected target is identified with a black bar. In the following example, a Linux computer was selected.



- b) Now press the hotkey combination **CTRL + F12** (not changeable).

In the window that opens (see next page), you will find the following information:

- a) The target you are currently accessing
- b) The console port to which your own console is connected
- c) The CPU port where this target is connected
- d) Display of the connection dynamics in case of cascading

This sample window shows you the following information:

- a) You are accessing a Linux computer. This information is displayed by the entry Linux [A]. The target name (including CATpro2 ID) is always shown in the first line of this window.
- b) Underneath the target name, you will find the connection location of the Linux computer. In this case, it is CPU port 8 [B] of the CATCenter slave 2 [C]. The relationship between the target name and the CPU port is displayed using a downward-pointing arrow.

Target Info	
Linux	(00020f58)

CPU 8	
CCX_Slave 2	(0000210a)
CON 8 3 5 2 1 4	

CPU 11 12 13 14 15 16	
CCX_Slave 1	(00000011)
CON 4 8 6 3 1 2	

CPU 11 12 13 14 15 16	
CCX_Master	(00000010)
CON 6	
Enter: OK	

- c) You are working on console port 6 [K] of the CATCenter master [J]. This information is displayed by the entry CON 6. The console port is always displayed in the last line of this window.
- d) The system structure of this sample CATCenter system includes 1 master device (CATCenter_Master [J]) and 2 slave devices (CATCenter_Slave 1 [F] & CATCenter_Slave 2 [C]). These names can be edited (see [Chapter 5.8.8](#)). The device ID (e.g. /00000010) of the respective CATCenter is displayed behind each device name. This number is permanently assigned to the device and is not editable.
- e) The CATCenter_Master [J] is connected to the console ports [G] of the CATCenter_Slave 1 [F] via its CPU ports [H]. The CATCenter_Slave 1 [F] is connected to the console ports [D] of the CATCenter_Slave 2 [C] via its CPU ports [E].

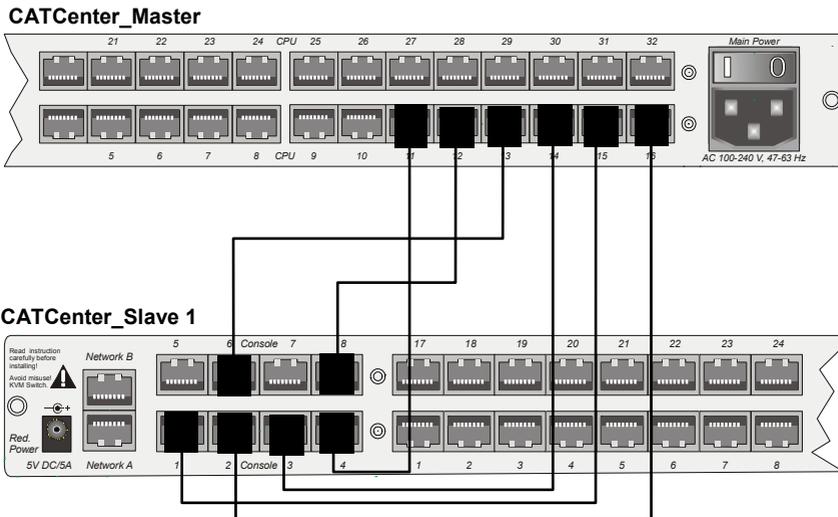
Extract from the Connection Overview Within the Target Info Window:

The connection between a master device and a slave device is established by connecting the console ports of a slave device to the CPU ports of the master device (see the [CATCenter Installation Guide, Chapter 2.5](#)). The ports used for this connection can also be seen from the **Target Info**.

In this example, the connection between the CATCenter_Master and the CATCenter_Slave 1 appears as follows:

CATCenter_Master	CATCenter_Slave 1
CPU port of the master device connected to the console port of Slave 1	
11	4
12	8
13	6
14	3
15	1
16	2

Connection Overview CATCenter Master -> CATCenter Slave 1



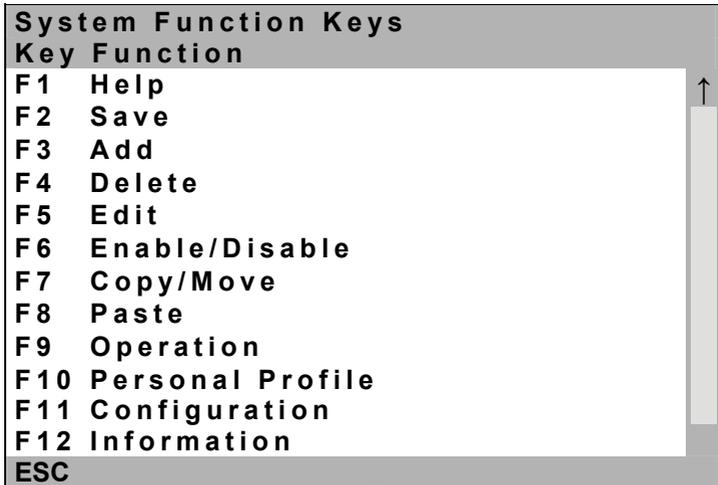
Note: The information described here always relates to the target selected in the **SELECT** menu. Connection information of targets that are not selected is not displayed in the **Target Info**.

To exit the **Target Info**, press the **ENTER** or **ESC** key.

2.5 F-Key Functions within ADONIS

The **F-Keys** on your keyboard have fixed functions within the AdonIS structure. This means you always have the same **F-Keys** available to you in any menu that you access.

You can see an overview of the system function keys by opening the **SELECT** menu by pressing **CTRL + NUM**, and then pressing the **F12** key. In the menu that opens, select the **VIEW SYSTEM FUNCTION KEYS** submenu using the mouse or keyboard. The following window is opened:



Key	Function
F1	Help
F2	Save
F3	Add
F4	Delete
F5	Edit
F6	Enable/Disable
F7	Copy/Move
F8	Paste
F9	Operation
F10	Personal Profile
F11	Configuration
F12	Information
ESC	

The **F-Keys F1 - F8** are global function keys and have the same function or meaning in all AdonIS menus you access, insofar as the function is supported by the respective AdonIS window.

The **F-Keys F9 - F12** are master function keys and are available in every AdonIS main menu. The following are the AdonIS main menus:

- **OPERATION** menu **F9**
- **PERS. PROFILE** menu **F10**
- **CONFIG** menu **F11**
- **INFORMATION** menu **F12**

The assignment of the **F-Keys** is a factory default and cannot be modified.

2.6 System Notifications

2.6.1 Message "NOT CONNECTED"

If the **ESC** key is pressed in the **SELECT** menu before a target is selected, the message *NOT CONNECTED* is displayed.

Example:

CON 02234100 (Console name, editable)

Not connected

To return to the **SELECT** menu, access it again using the key combination **CTRL + NUM**.

2.6.2 Message „No free route to target“

In a cascaded system (e. g. 1 x CATCenter-Master and 1 x CATCenter-Slave) and depending on your personal target access rights, you can access targets which are connected at a CATCenter-Slave from a CATCenterX8-Master (See Cascading [Chapter 2.5 of the Installation Manual CATCenter](#)).

The CATCenter-Slave doesn't have to be necessarily a **CATCenter X8**. A **CATCenter X2** and **CATCenter X4** can also act as a slave device.

Information about the cascading:

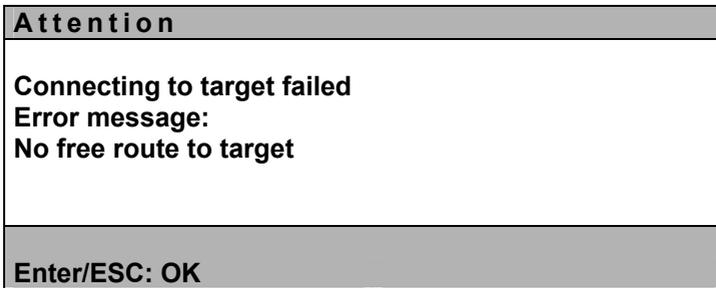
The master device (e.g. a CATCenter X8) has a total of 32 CPU ports available for cascading. Assuming that 8 consoles are connected to the master device and all of them are to access all targets, then one CPU port has to be used for cascading every console connection. Therefore, 8 CPU ports have to be used on the master device so that all 8 consoles can continue to access all connected targets.

If, on the other hand, you only have one console then you only have to use one CPU port on the master; this is identical to the method described above.

In general, the following applies: For every console access implemented on the slave, the same number of CPU ports must be available on the master!

However, if fewer console access (e. g. only for console access connections) is realized at the CATCenter-Slave as consoles are connected to the CATCenter-Master (in this example 8 consoles), only four consoles of the master device can access the targets connected to the slave.

When four consoles are accessing the targets connected at the slave, and during this process a fifth console is trying to access one of the targets connected at the slave following message appears on the screen of this console:

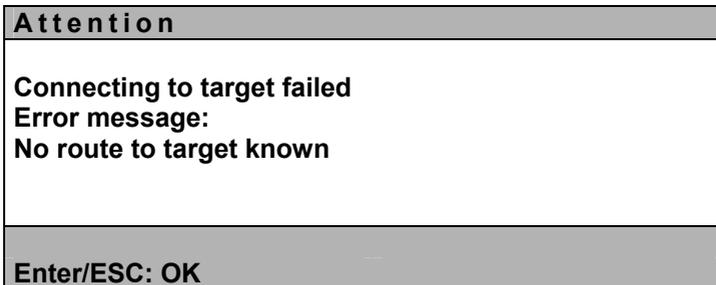


The information of this message is, that no connection to the target can be established, since the maximum number of console access is reached.

By pressing the keys **Enter** or **ESC** this window is closed and you return to the **SELECT** menu.

2.6.3 Message „No route to target known“

If you intend to access a target, which is connected at a power down slave following message appears on the screen of this console:



By pressing the keys **Enter** or **ESC** this window is closed and you return to the **SELECT** menu.

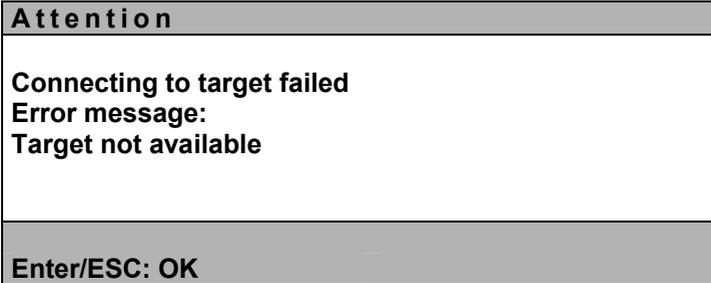
2.6.4 „Target not available“

If you intend to access a target, following conditions can exist:

- A target is switch off (is displayed in the **SELECT** menu in in red color),
- The last known connection port (CPU-Port) of a target is occupied by a new target or

- The same target has been connected to CATCenter by a new CATpro2-Dongle.

In this case, following message appears on your screen.



By pressing the keys **Enter** or **ESC** this window is closed and you return to the **SELECT** menu.

2.7 Keyboard emulation for operation of SUN-computer

The dongle CATpro2–SUN USB must be used to ensure the emulation of specific SUN-Keyboard shortcuts at none SUN-keyboards. Two versions of this dongle exist (German and American layout). (see. [chapter 2.1.3 of the manual „CATCenter Installation Guide“](#)).

Following keyboard combinations must be pressed to emulate the corresponding SUN-shortcut:

Sun-shortcut	Keyboard combination	Sun-shortcut	Keyboard combination
Stop	PAUSE + A	Find	Ctrl Alt + F9
Again	Ctrl Alt + F2	Cut	Ctrl Alt + F10
Props	Ctrl Alt + F3	Help	Ctrl Alt + F11
Undo	Ctrl Alt + F4	Mute	Ctrl Alt + F12
Front	Ctrl Alt + F5	Speaker Up	Ctrl Alt + NUM +
Copy	Ctrl Alt + F6	Speaker Down	Ctrl Alt + NUM -
Open	Ctrl Alt + F7	Compose	Ctrl Alt + NUM x
Paste	Ctrl Alt + F8	Shutdown	Ctrl Alt + Pause

3 Operation Menu (F9)

The **OPERATION** menu provides the basic operating functions of the CATCenter. This menu is accessed using the following hotkey combination: **CTRL + NUM** (default) followed by pressing the **F9** key.

From here, the following functions can be accessed:

G & D	Operation
A	Autoscan
B	Autoskip
C	Stepscan
D	Disconnect
E	User Logout
F	Mouse utility
G	Return to last target
H	Target Info off
I	Target power off
Temporary OAC login	
ESC: Select	F10: Pers. Profile
F11: Config	F12: Information

You can select from the entries displayed here using the mouse or the **UP ARROW** and **DOWN ARROW** keys on your keyboard. Confirm your selection using the **ENTER** key or by clicking the left mouse button.

All functions can be carried out from the **SELECT** menu using the following hotkey combinations:

CTRL + A	AutoScan
CTRL + B	AutoSkip
CTRL + C	StepScan
CTRL + D	Disconnect
CTRL + E	User Logout
CTRL + F	Mouse utility
CTRL + G	Return to last target
CTRL + H	Target Info
CTRL + I	Target power on/off

Within the **OPERATION** menu, you only have to enter the desired letter.

The hotkey combinations within this menu are predefined and cannot be edited. Modifying the initial hotkey (**CTRL**) (see [Chapter 5.8.1](#)) to access AdonIS has no effect on the valid hotkey combinations in this menu.

The entries in the **OPERATION** menu are accessible to all users. Exception: **Mouse utility**; only for users with corresponding rights.

The entry **Temporary OAC login** (see [Chapter 5.6.2.3](#)) is only visible when OpenAccess has been activated on the CATCenter system. This entry is only available to the administrator or user with configuration rights when OpenAccess has been activated. For notes regarding OpenAccess, see [Chapter 5.6.2](#).

Depending on your rights, you access additional main menus from the **OPERATION** menu. In particular, these are:

ESC	Switches back to the SELECT menu
F10	Switches to the PERS. PROFILE menu
F11	Switches to the CONFIG menu
F12	Switches to the INFORMATION menu

3.1 Automatically pass through all targets

Activating the **AutoScan** function pass through all channels (targets) to which the user has access.

Targets that are not turned on can also be included in the **AutoScan** function (e.g. to check the boot phase of a target that has just been turned on).

3.1.1 Calling the AutoScan Function

Carry out the following steps:

1. Access AdonIS by pressing the key combination (default): **CTRL + NUM**
2. Access the **OPERATION** menu by pressing the **F9** key.
3. Move the cursor to the entry **AutoScan** and press the **ENTER** key or the **A** key.

Alternatively, the function can be called from the **SELECT** menu using the hotkey combination **CTRL + A**.

The channels you have access to are connected to your console, one after the other, for approx. 5 seconds. The time period can be modified (see [chapter 4.2](#)).

In the delivery condition, all computers are enabled for the **AutoScan** function.

3.1.2 Identifying the AutoScan Function

Activation of the **AutoScan** function is shown by "Scan" on the display.

Example:

Win 2000	(Computer name, editable)
CATCenter	(Switch name, editable)
AUTOSCAN	(Active scan function)

3.1.3 Canceling the AutoScan Function

Keyboard or mouse input pauses the **AutoScan** function and it resumes only after input ceases. To cancel the function, access AdonIS (**CTRL + NUM**) or select a computer using a hotkey. The scan display disappears.

3.1.4 Setting the AutoScan Time

→ See Chapter 4.2, [Setting the Scan interval](#)

3.2 Automatically pass through all active targets

The **AutoSkip** functionality is similar to **AutoScan**. However, only the computers that are connected and active are displayed. Unused channels or computers that are turned off are skipped.

3.2.1 Calling the AutoSkip Function

Carry out the following steps:

1. Access AdonIS by pressing the key combination (default): **CTRL + NUM**
2. Access the **OPERATION menu** by pressing the **F9** key.
3. Move the cursor to the entry AutoSkip and press the **ENTER** key or the **B** key.

Alternatively, the function can be called from the **SELECT menu** using the hotkey combination **CTRL + B**.

Now the active channels you have access to are connected to your console, one after the other, for approx. 5 seconds. The time period is identical to the setting for the **AutoScan** time.

3.2.2 Identifying the AutoSkip Function

Activation of the AutoSkip function is shown by "SKIP" on the display.

Example:

Win 2000	(Computer name, editable)
CATCenter	(Switch name, editable)
AUTOSKIP	(Active skip function)

3.2.3 Canceling the AutoSkip Function

Keyboard or mouse input pauses the **AutoSkip** function and it resumes only after input ceases. To cancel the function, access AdonIS (**CTRL** + **NUM**) or select a computer using a hotkey. The **SKIP** display disappears.

3.3 Manually connecting through all targets

This function makes it possible to manually connect through all channels on the CATCenter in an ascending or descending sequence, in increments of 1. The **StepScan** function starts with the currently selected computer.

3.3.1 Calling the StepScan Function

Carry out the following steps:

1. Access AdonIS by pressing the key combination (default): **CTRL** + **NUM**
2. Access the **OPERATION** menu by pressing the **F9** key.
3. Move the cursor to the entry StepScan and press the **ENTER** key or the **C** key.

Alternatively, the function can be called from the **SELECT** menu using the hotkey combination **CTRL** + **C**.

Ascending order is set using the **UP ARROW** key, descending order with the **DOWN ARROW** key. The keys used to activate the **StepScan** function can be modified (see Chapter 4.3).

If no computer is selected, the following message is displayed:

Example:

DISCONNECT	(No active selection)
CATCenter	(Switch name, editable)
STEPSCAN	(Note regarding the active StepScan)

In this case, press one of the keys that activates the **StepScan**. The **StepScan** then starts with either the last or the first channel.

3.3.2 Identifying the StepScan Function

Activation of the **StepScan** function is shown by " **STEPSCAN** " on the display.

Example:

Win 2000	(Computer name, editable)
CATCenter	(Switch name, editable)
STEPSCAN	(Active step function)

3.3.3 Canceling the StepScan Function

To cancel the function, access AdonIS (**CTRL + NUM**) or select a target using a hotkey.

The *STEP* display disappears.

3.4 Canceling the Connection to a target

Carrying out the **DISCONNECT** function cancels the connection from your console to a selected target. This ensures that a console that is not in use is not accessing any targets and that the targets are therefore available to all consoles.

To activate the **DISCONNECT** function, carry out the following steps:

1. Access AdonIS by pressing the key combination (**default**): **CTRL + NUM**
2. Access the **OPERATION** menu by pressing the **F9** key.
3. Move the cursor to the entry "**DISCONNECT**" and press the **ENTER** key or the **D** key.

Alternatively, the function can be called from the **SELECT** menu using the hotkey combination **CTRL + D**.

After carrying out this function, the connection to the last active target is cancelled and you return to the **SELECT** menu.

Caution! **DISCONNECT** does not protect your console against unauthorized access!

3.5 User Logout / End Session

The **User Logout** cancels your login to the CATCenter. It also cancels an existing connection to a target.

After the function is carried out, the CATCenter LOGIN window is displayed. To access the system again, you have to re-enter your user password or the administrator password.

To activate this function, carry out the following steps:

1. Access AdonIS by pressing the key combination (default): **CTRL + NUM**
2. Access the **OPERATION** menu by pressing the **F9** key.
3. Move the cursor to the entry "**User Logout**" and press the **ENTER** key or the **E** key.

Alternatively, the function can be called from the **SELECT** menu using the hotkey combination **CTRL + E**.

Note: You should always use this function when you want to protect the CATCenter against unauthorized access, e.g. when you leave your workstation. When this function is activated, an existing connection to a target is cancelled.

3.6 Re-Initializing the Mouse

If the mouse of one target stops working during operation or after maintenance (mouse pointer does not move), it is possible to re-initialize it.

First, check all cable connections to ensure they are seated properly. Please note that the **Mouse-Enable** function is always carried out for the respective active channel only.

To activate this function, carry out the following steps:

1. Access AdonIS by pressing the key combination (default): **CTRL + NUM**
2. Access the **OPERATION** menu by pressing the **F9** key.
3. Move the cursor to the **MOUSE UTILITY submenu** and press the **ENTER** key or the **F** key.

Alternatively, the function can be called from the **SELECT** menu using the hotkey combination **CTRL + F**.

This opens the **MOUSE UTILITY** submenu, which offers the following options:

Mouse utility	
Reset mouse	
Enable mouse (for Unix)	
Enable Intelli	
Enable Intelli - Explorer	
Esc	Enter

Caution! Only carry out the enable / reset that matches the particular target!
The decisive factor is the mouse drive installed on the target - not the physical mouse used!

Reset Mouse

Use this selection for Windows operating systems, regardless of the mouse driver used.

This applies to:

WIN 98, WIN NT, WIN ME, WIN 2000, WIN XP, OS/2, Silicon Graphics.

Confirm your selection with the **ENTER** key. The mouse is initialized and the menu is closed. The mouse will then work normally once again.

Enable Mouse (for Unix)

Use this selection for Unix or Linux operating systems when the target uses a standard mouse driver.

Any driver that is not an Intelli-mouse driver is a standard driver.

Enable Intelli

Use this selection when the target uses an Intelli-mouse driver and a non-Windows operating system.

(E.g. Linux OS with Intelli-mouse driver)

Confirm your selection with the **ENTER** key. The mouse is initialized and the menu is closed. The mouse will then work normally once again.

Enable Intelli - Explorer

Use this selection when the target uses an Intelli-Explorer-mouse driver and a non-Windows operating system (e.g. Linux OS with Intelli-Explorer-mouse driver).

Confirm your selection with the **ENTER** key. The mouse is initialized and the menu is closed. The mouse will then work normally once again.

3.7 Return to Last Target

With this function, you can automatically select the last target that was used.

To activate this function, carry out the following steps:

1. Access AdonIS by pressing the key combination (default): **CTRL + NUM**
2. Access the **OPERATION** menu by pressing the **F9** key.
3. Move the cursor to the entry "**RETURN TO LAST TARGET**" and press the **ENTER** key or the **G** key.

Alternatively, the function can be called from the **SELECT** menu using the hotkey combination **CTRL + G**.

After carrying out this function, you will be connected to the last target used.

3.8 Displaying Additional Target Information

In the **TARGET INFO** line, you can determine what additional target information is displayed in the right-hand column of the Select menu.

The following entries are available:

- **Off** No additional information is displayed.
- **SelectKey** The SelectKey established to access the respective target is displayed (this is editable, see [Chapter 4.4](#)).
- **ID** The physical target name (ID of the CATpro2; see [Chapter 2.4](#)) can be displayed.

To change the entries, carry out the following steps:

1. Access AdonIS by pressing the key combination (default): **CTRL + NUM**
2. Access the **OPERATION** menu by pressing the **F9** key.
3. Move the cursor to the entry **TARGET INFO** and press the **Spacebar** key or the **H** key.

Alternatively, the function can be called from the **SELECT** menu using the hotkey combination **CTRL + H**.

Now you can switch between the individual entries, which are shown with a yellow background, using the toggle key (**Spacebar**). Use the **ESC** key to exit this menu and return to the **SELECT** menu. All settings that were modified are saved.

3.9 Turn Target On/Off using AdonIS

This function is only available if a HardBoot CCX is connected.

In the row "**TARGET POWER**", you can turn the currently active target on or off.

The base requirements for this function are:

- At least one HardBoot must be connected to the CATCenter to supply power.
- The corresponding settings have to be established in the "**CONFIG** menu -> **Power**" for this target (see [Chapter 5.9](#))

To turn off a target, carry out the following steps:

1. Access AdonIS by pressing the key combination (default): **CTRL + NUM**
2. Access the **OPERATION** menu by pressing the **F9** key.
3. Move the cursor to the entry "**TARGET POWER**" and press the **ENTER** key or the **I** key.

By pressing the **ENTER** key a security advice appears on your screen. By confirming the selected (and running) target is automatically turned off.

After the target has been turned off, the entry in the "**TARGET POWER**" line changes from **On** to **Off**.

Follow the same process to turn on a target that is not running.

Alternatively, the function can be called from the **SELECT** menu using the hotkey combination **CTRL + I**.

3.10 Administrator LoginFehler! Textmarke nicht definiert. to an OpenAccess Console

This function is only available if OpenAccess has been activated on the console you are currently working on (see [Chapter 5.6.2](#)). This function provides you with temporary administrator access to an OpenAccess console. For more information on this function, see [Chapter 5.6.2.3](#).

4 Personal Profile Menu (F10)

You can establish user-specific settings in the **PERS. PROFILE** menu. This menu is accessed using the following hotkey combination: **CTRL + NUM** (default). Press the **F10** key in the window that opens.

From here, the following settings can be established:

G & D		Personal Profile	
Display		temp	
Scantime		05 sec	
Stepkeys		Up Dn	
Selectkey, Scan&Default Target			
Set Display Position			
Set Menu Position			
Change own password			
Esc: Select		F9: Operation	
F11: Config		F12: Information	

Note:

The entries within this window depend on the rights given you by the administrator. If, for example, you only have the right to change your own password, only this entry is editble. All other entries are not accessible.

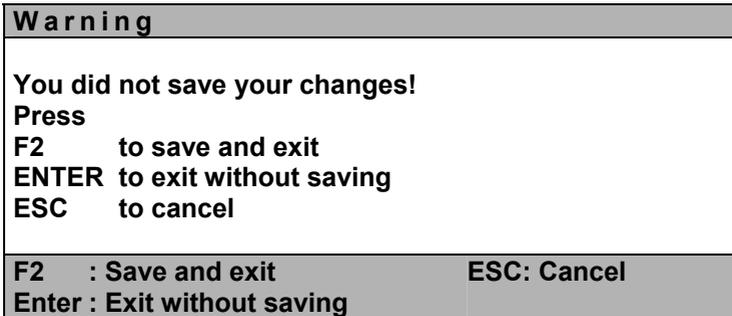
You can select from the entries displayed here using the mouse or the **UP ARROW** and **DOWN ARROW** keys on your keyboard. Confirm your selection using the **ENTER** key or by clicking the left mouse button.

You can access other main menus from the **PERS. PROFILE** menu. In particular, these are:

- ESC** Switches back to the **SELECT** menu
- F9** Switches to the **OPERATION** menu
- F11** Switches to the **CONFIG** menu
- F12** Switches to the **INFORMATION** menu

To save the changes you have made, press the **F2** key. You are then returned to the **SELECT** menu.

If you press the **ESC** key after making changes, the following warning message is displayed:



You then have the following options:

Pressing the **F2** key: Saves the changes you made and returns you to the **SELECT** menu

Pressing the **ENTER** key: All changes you have made are discarded and you return to the **SELECT** menu

Pressing the **ESC** key: Returns you to the **PERS. PROFILE** menu

4.1 Permanent Screen Display of Target Information

The following settings are available to display the information for the selected target:

- Permanent => **perm** or
- Temporary => **temp** (approx. 5 seconds after switching)
- Off => **off** (display is not shown)

After you move the cursor to the **DISPLAY** field, you can use the **SPACEBAR** (toggle) to select the desired option (**off/temp/perm**).

If you select the temporary channel display, you can display the selected channel at any time using the key combination **CTRL + CAPS LOCK** (default setting).

Default setting: temp

4.2 Setting the Scan Interval

Set the cursor to the line **SCANTIME**. The existing entry can be edited by pressing the **ENTER** key.

A scan time of 1 – 99 seconds is valid. **ENTER** completes the entry.

To save the changes you have made, press the **F2** key. You are then returned to the **SELECT** menu.

4.3 Establishing Keys for StepScan

Here you can define the keys used for manually cycling through computers (**STEPSCAN**, see Chapter 3.3).

The following keys or mouse buttons are available:

Up	Dn	UP arrow and DOWN arrow	
PgUp	PgDn	Page Up and Page Down	
NUM	Up	Dn	UP arrow and DOWN arrow on the number pad
NUM	PgUp	PgDn	Page Up and Page Down on the number pad
NUM	+	-	PLUS and MINUS on the number pad
Explorer mouse		Buttons 4 and 5 of the Intelli-Explorer-mouse	

After you move the cursor to the **STEPKEYS** field, you can use the **SPACEBAR** (toggle) to select the desired option.

To save the changes you have made, press the **F2** key. You are then returned to the **SELECT** menu.

4.4 Defining SelectKeys & Default Computer / Scan Participation

After you select this menu item (with either the mouse or the keyboard), the following window opens.

Assign Selectkey, Scan&Default		
Sort ▶ Alph+ ◀	Show: All	
WIN2000	1	S
WINXP	2	S
▶ LINUX	3	S
SUN Sparc	4	S
0 – 9, - : Set Selectkey		F2 : Save
SPACE: Scanmode		Enter: Default

In this menu, each user can define an individual target-SelectKey assignment for the targets he or she can access.

- Column 1: Identifies the default computer
- Column 2: Target name
- Column 2: SelectKey for direct selection
- Column 3: Scan mode setting

Rights: Can be changed by each user with the configuration right "Personal Profile".

Scope: Each user can modify his or her own profile.

After login, the system can connect directly to a computer without having to select it first in the Select menu. You can define this default computer in this menu. To do so, use the arrow keys to move to a desired computer within the list field and press the **Enter** key. A yellow triangle appears in front of the selected computer. Pressing the **Enter** key again cancels this assignment.

To modify the SelectKey, use the mouse or the **UP ARROW** or **DOWN ARROW** keys on your keyboard to select the desired target. Assign a new SelectKey to the target by pressing one of the following keys on your keyboard:

- Any number key (0 - 9) or
- Any number pad key (NUM 0 – NUM 9) or
- Any letter (A – K) or
- Any number F-key (F1 - F9)

You can only pick a SelectKey that matches your specifications in the menu **Configuration -> System -> SelectKey** (see [Chapter 5.7.3](#)). Entering a dash (-) erases the entry that was made.

To include a target in the scan process, press the **SPACEBAR** (toggle) on the selected target. The "**S**" character signifies that the selected target is included in the scan process. Entering a dash (-) excludes the target from the scan process.

To save the changes you have made, press the **F2** key. You are then returned to the **PERS. PROFILE** menu.

4.5 Positioning the Target Display on the Monitor

Use this menu item „Set Display Position“ to adjust the position + size of the channel display on the screen.

Press the **ENTER** key to enter edit mode; now you can move the display to the desired location using the arrow keys or the mouse.

**+
Set Display
F2: Save**

In order to ensure optimal legibility of AdonIS for all resolutions, the size of the display can be changed for monitor resolutions greater than 640 x 480 using the **PgUp** + **PgDn** keys.

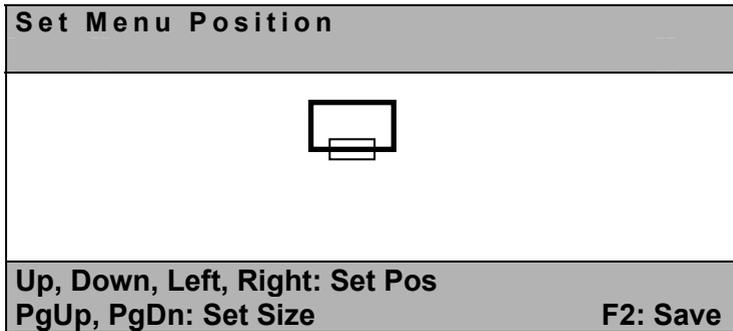
F2 saves the setting and takes you back to the **PERS. PROFILE** menu.

To cancel the settings, press the **ESC** key. This action also takes you back to the **PERS. PROFILE** menu.

4.6 Positioning AdonIS on the Monitor

After selecting the corresponding menu item „Set Menu Position“, you can change the position and size of all AdonIS windows.

Press the **ENTER** key to enter edit mode; now you can move the display to the desired location using the arrow keys or the mouse.



In order to ensure optimal legibility of AdonIS for all resolutions, the size of the display can be changed for monitor resolutions greater than 640 x 480 using the **PgUp** + **PgDn** keys.

F2 saves the setting and takes you back to the **PERS. PROFILE** menu.

To cancel the settings, press the **ESC** key. This action also takes you back to the **PERS. PROFILE** menu.

4.7 Changing own password

Rights: Can be changed by each user with the configuration right “Change own password”.

You can change your own password in this menu. Possible is the alphanumeric entry. To do so, the administrator must have given you the right to change your own password (see [chapter 5.1.1.4](#)).

Press the **ENTER** key or click the left mouse button on the entry **Change password** to open the following window which prompts you to enter the password.

Change password	
Password	<input type="text"/>
Repeat	<input type="text"/>
ESC	TAB F2: Save

Alphanumeric entries are possible; the minimum length is 3 characters and the maximum length is 12 characters.

ENTER completes the first entry and automatically moves to the second field where the password has to be re-entered. **F2** confirms the new password and takes you back to the **EDIT USER** submenu.

Canceling the password change

Pressing **ESC** in the **CHANGE PASSWORD** submenu cancels the action and also takes you back to the **EDIT USER** submenu.

Please take care to remember the passwords. The system cannot be accessed without them.

5 Configuration Menu (F11)

In the **CONFIGURATION** menu, you can establish configuration settings that affect the entire CATCenter system. The following users have rights to do so:

- The administrator
- Users with configuration rights (these rights can be assigned individually, e.g. video only or overall)

This menu is accessed using the following hotkey combination: **CTRL + NUM** (Default). Press the **F11** key in the window that opens.

From here, the following settings can be established:

G & D Configuration	
User	
User Group	
Target	
Target Group	
Video	
Console	
Cascade	
System	
Power	
Network	
Esc: Select	F9: Operation
F10: Pers. Profile	F12: Info

You can select from the entries displayed here using the mouse or the **UP ARROW** and **DOWN ARROW** keys on your keyboard. Confirm your selection using the **ENTER** key or by clicking the left mouse button.

You can access other main menus from the **CONFIGURATION** menu. In particular, these are:

- ESC** Switches back to the **SELECT** menu
- F9** Switches to the **OPERATION** menu
- F10** Switches to the **PERS. PROFILE** menu
- F12** Switches to the **INFORMATION** menu

Entries that are not accessible for a user are identified in light blue.

5.1 Creating, Editing, and Deleting Users

After you access this menu item, the **USER CONFIG** submenu opens.

User Config		Mode: Alph+	
Search			
Name	Groups	Enabled	
Admin	0	en	↑
User 1	1	en	
User 2	3	dis	
F3 ADD User		F4 Delete User	
F5 Edit User		F6 Enable/Disable	

Using the menu item **USER SEARCH**, you can select an existing user via keyboard input. To do so, place the cursor in the **SEARCH** field using the **TAB** key. By entering the username in this field, you narrow down the number of entries displayed in the list field. Only users matching the character sequence entered in the **SEARCH** field are displayed in the list field. Keyboard input is possible at all times.

You can change the sort order of the list field by modifying the entry in the **MODE** field. Press the **TAB** key to reach the **MODE** field. Use the **Spacebar** (toggle) to switch between the 2 entries:

- **Alph+:** Sort in ascending alphabetic sequence
- **Alph-** Sort in descending alphabetic sequence

Use the **UP ARROW** or **DOWN ARROW** keys on your keyboard to select existing users.

The meaning of the columns within this window is as follows:

Column 1 **Username:** This column contains all users that exist in the CATCenter system.

Column 2 **Groups** This column displays the number of group memberships (the number of groups this user is a member of)

Column 3 **Enable:** This column shows whether a user account is currently activated or deactivated. This column is edited using the **F6** key on the keyboard.

Four different **F**-keys are available to you for editing tasks in the footer of the **USER CONFIG** submenu.

In particular, these are:

- **F3:** ADD User Use this key to create a new user (see [Chapter 5.1.1](#))
- **F4:** Delete User Use this key to delete an existing user (see [Chapter 5.1.2](#))
- **F5:** Edit User Use this key to edit an existing user account (see [Chapter 5.1.3](#))
- **F6:** Enable Disable Use this key to activate or deactivate a user (see [Chapter 5.1.4](#))

These editing functions are explained in more detail in the following chapters.

All editing tasks carried out up to this point can be saved by pressing the **F2** key.

Use the **ESC** key to exit the **USER CONFIG** submenu. If you have made any changes up to this point but wish to exit the **USER CONFIG** submenu without saving your changes, a notification message to that effect will be displayed.

5.1.1 F3 ADD User

If you want to create a new user account, press the **F3** key in the **USER CONFIG** submenu. The following window is opened:

Add User	
Name	<input type="text"/>
Password	<input type="text"/>
Repeat	<input type="text"/>
ESC	F2: Save

Assign a unique **NAME** for this user account in the **NAME** field. A minimum of 1 and a maximum of 14 alphanumeric characters is available to you for this purpose. To move to the **PASSWORD** field, press the **ENTER** key.

In the **PASSWORD** field, assign a password to this user account (this password can be a maximum of 12 alphanumeric characters in length). To move to the **REPEAT** field, press the **ENTER** key.

Re-enter the password you assigned to this user account in the **REPEAT** field.

To save the changes you have made, press the **F2** key. This returns you to the **USER CONFIG** submenu.

Press **ESC** to exit the menu without saving the changes you have made.

To edit the new user you have created, select the user in the **USER CONFIG** submenu and press the **F5** key (**Edit User**). The following submenu opens:

Edit User	
Username	User 1
User Password	
Group membership	
Edit Config rights...	
Edit Operation rights...	
Edit target access rights...	
Edit Personal Profile...	
Edit Personal Profile...	
New target rights	full no
ESC	TAB F2: Save

The user name can be edited. When the window is opened, the cursor is in the list field. Press the **TAB** key to move to the **USERNAME** field in the header. The displayed name can be overwritten. **ENTER** completes the entry and the window „Change Password“ is opened.

Change Password	
Password	<input type="text"/>
Repeat	<input type="text"/>
ESC	TAB F2: Save

Set a new password for the changed user name.

Once you have established all required settings for the user being edited, save your changes by pressing the **F2** key.

Press the **ESC** key to return to the **USER CONFIG** submenu.

The entries in this window are explained in more detail in the following chapters.

5.1.1.1 Changing the "User Password"

Here you can establish the user password. Ensure that both the password and the **USER** name are unique. Alphanumeric entries are possible.

Press the **ENTER** key or click the left mouse button on the entry **USER PASSWORD** to open the following window which prompts you to enter the password.

Change password	
Password	<input type="text"/>
Repeat	<input type="text"/>
ESC	F2: Save

Alphanumeric entries are possible; the minimum length is 3 characters and the maximum length is 12 characters.

ENTER completes the first entry and automatically moves to the second field where the password has to be re-entered. **F2** confirms the new password and takes you back to the **EDIT USER** submenu.

Canceling the password change

Pressing **ESC** in the **CHANGE PASSWORD** submenu cancels the action and also takes you back to the **EDIT USER** submenu.

Please take care to remember the passwords. The system cannot be accessed without them.

5.1.1.2 Group Membership

Here you can assign the user account to one or more user groups, up to a **maximum of 20**. By assigning a user to certain user groups, rights the group has at that point in time are also inherited. Assignment to user groups makes the configuration process easier for system administrators, since they only have to establish rights for the group.

In addition, individual rights for the user – which deviate from the group rights – can also be assigned. The effective rights for a user are established by comparing the individual user rights and the group rights. In general, the user always has the highest assigned right when the two sets of rights are compared.

Example:

Configuration rights are assigned for User 2 in the **Config Right** (see [Chapter 5.1.1.3](#)) submenu.

Config Right Set all rights to Name	User 2	
	no Eff	no Ind
User	yes	no
Target	yes	no
Console	yes	no
Video	yes	no
System	no	no
Network	yes	yes
Power	no	no
Esc	TAB	F2 Save

In this menu, you will see two values in the right column:

- The individual rights of the selected user are displayed in a yellow font. These can be edited within this menu. This column is identified by the label "Ind" above the entries in yellow.
- The effective rights of the selected user are displayed in a green font. These cannot be edited within this menu. These entries represent the maximum rights (effective rights) composed of the individual rights and the group rights.

In this example, these effective rights are determined as follows:

- Due to his or her individual rights, this user does not have rights to create users in the system.
- However, the "Eff" column has the entry "Yes". This must mean that this user is a member of a group that has the right to create users. Therefore, the selected user is assigned the group right as the effective right.

To view the source from which this right comes, press the key combination **CTRL + F12**.

Right Source	User 2
Right: User	
USER RIGHT	no
Administration Group	yes
Marketing Group	no
Esc	TAB
	F2 Save

In this example, the user received the right to created users from the administration group.

5.1.1.2.1 Adding a User to a Group

To assign a user to a user group, proceed as follows:

By pressing the **ENTER** key or left-clicking on the entry **Group Membership**, the following submenu opens:

Membership		User 2	
Sort Alph+on	Show All		
Search:			
Administration			
Marketing			DISABLED
Sales			
F3: Add		F4: Remove	
SPACE: Toggle	TAB	F2: Save	

The list field displays all group memberships of the respective selected user. If a user has been assigned to a group, this group is displayed in green in the list field. All other groups are displayed in yellow. Groups that are currently not available have the note "**DISABLED**" in the second column.

The user may already be a member of user groups. This indicated by a green arrow that points to the right. A user can belong to a maximum of 20 groups.

Users can only be assigned to groups displayed in this list field. User groups are created by administrators and by users with configuration rights.

To assign a user to a group to which he or she has not been assigned yet, move the cursor to the desired group entry. Press the **SPACEBAR** (toggle) or the **F3** key to assign the user to the selected group. A green arrow appears in front of the group name. However, the group name is still displayed in yellow. The process is completed by pressing the **F2** key, and the user is now a member of the selected group. If the **Group Membership** submenu is opened again, the previously selected group is now displayed in green and has a green arrow.

TAB / Change Sort Criteria (Sort Mode ► Alph+ ◀)

Press **TAB** in the membership submenu to move to the sort field. Change the sort criteria by pressing **SPACEBAR** (toggle).

The following sort options are available:

Alph+: Ascending alphabetic sort of the groups

Alph-: Descending alphabetic sort of the targets

"Show" Area Changing the Display Mode:

Press **TAB** in the membership submenu to move to the **Show** field.

"ALL GROUPS" stands for: All groups are displayed in the list field.

"MEMBER" means: Only groups to which the user has been assigned are displayed in the list field.

"NONMEMBER" means: Only groups to which the user has not been assigned are displayed.

You can exit all three versions of the Membership submenu using the **ESC** key. This takes you back to the Edit User menu.

5.1.1.2.2 Removing a User from a Group

To remove a user from a user group, proceed as follows:

By pressing the **ENTER** key or left-clicking on the entry **Group Membership**, the following submenu opens:

Membership		User 2
Sort Alph+on	Show	All
Search:		
Administration		
Marketing		DISABLED
▶ Sales		
F3: Add		F4: Remove
Enter: Toggle	TAB	F2: Save

Now move the mouse to the desired group entry. Press the **SPACEBAR** (toggle) or the **F4** key to cancel the assignment of the user to the selected group. The right arrow in front of this group disappears. Press the **F2** key to complete the process.

5.1.1.3 Edit Config Rights

Here you can assign configuration rights to the user account. These rights are the individual rights of the selected user. These are displayed in the "Ind" column. The effective rights of the user are displayed in the "Eff" column (see [Chapter 5.1.1.2](#)).

By pressing the **ENTER** key or left-clicking on the entry **CONFIG RIGHTS**, the following submenu opens:

Config Right Set all rights to Name	User 2	
	Eff	Ind
User	yes	no
Target	yes	no
Console	yes	no
Video	yes	no
System	no	no
Network	no	no
Power	no	no
Esc	TAB	F2 Save

In this window, you can use "**Set all rights to**" to set all entries to one of the following values:

- **yes** or
- **no**

Use the **TAB** key to access this pre-select field. This key alternates between the entry "**Set all rights to**" and the other seven configuration areas. Use the **Spacebar** (toggle) to change the values within the „**Set all rights to**" field.

Here you can assign configuration rights to the user account. Only those configuration items activated for the user can be selected by the user in the **Configuration** menu **F11** (displayed in white)! To do so, select the desired entry and then change the current value in the column "Ind" to either "yes" or "no".

Use the **ESC** key to exit the **CONFIG RIGHT** submenu. If you have made any changes up to this point but wish to exit the **CONFIG RIGHT** submenu without saving your changes, a notification message to that effect will be displayed.

To save the changes you have made, press the **F2** key and return to the **EDIT USER** submenu.

Default setting: no

5.1.1.4 Edit Operation Rights

Here you can define which operation rights should be available to the user account in the **OPERATION** menu (**F9**). These rights are the individual rights of the selected user. These are displayed in the "Ind" column. The effective rights of the user are displayed in the "Eff" column (see [Chapter 5.1.1.2](#)).

By pressing the **ENTER** key or left-clicking on the entry **EDIT OPERATION RIGHTS** in the **EDIT USER** submenu, the following submenu opens:

Operation Right Set all rights to Name	User 2	
	Eff	Ind
Mouse Reset	yes	no
Personal Profile	yes	no
Multi Access	no	no
Target Power	no	no
Change own password	yes	yes
Esc	TAB	F2 Save

In this window, you can use "Set all rights to" to set all entries to one of the following values:

- **yes** or
- **no**

Use the **TAB** key to access this pre-select field. This key alternates between the entry "**Set all rights to**" and the other four operation areas. Use the **Spacebar** (toggle) to change the values within the „**Set all rights to**" field.

Here you can assign operation rights to the user account. Only those operation items made available to the user are displayed in the **OPERATION** menu in white and are therefore available to the user! To do so, select the desired entry and then change the current value in the column "Ind" to either "yes" or "no".

Use the **ESC** key to exit the **OPERATION RIGHT** submenu. If you have made any changes up to this point but wish to exit the **OPERATION RIGHT** submenu without saving your changes, a notification message to that effect will be displayed.

To save the changes you have made, press the **F2** key and return to the **EDIT USER** submenu.

Default setting: See window display

The entries within the list field have the following meanings:

Execute Mouse Reset: (see [Chapter 3.6](#))

Change Personal Profile: (see [Chapter 4](#))

Execute Target Power: (see [Chapter 3.9](#))

Multi Access:

Here you can grant or deny the user account the right to **MultiAccess** target access via the CATCenter. The **MultiAccess** function is the option that a user can access a target that is already in use by another user.

Both users simultaneous have the display of the target on their monitor, and full keyboard / mouse access.

As soon as one of the users provides input via the keyboard or mouse, the keyboard / mouse of the other user are automatically locked.

Once input has ceased, the system re-enables the keyboard / mouse after a timeout of approx. 1 second, and access is once again possible for both users.

The active **MultiAccess mode** is permanently shown on the display of both the initial and the second user (see [Chapter 5.8.4](#)):

Example:

Win 2000	(Target name, editable)
Console 1	(Console name, editable)
MULTIUSER	(Note regarding shared access)

The following parameters can be established here:

- **no** No multi-user right
- **full** Multi-user right for this user
- **view** Multi-user right for this user, but view-only

Default: MultiAccess = No

The setting option "MultiAccess" is expanded with the operating right **View**.

Note:

To be able to exercise this operating right, a user must first be assigned the access right "Full Access" in the submenu **Target Access Rights** (see [Chapter 5.1.1.4](#)).

In practice, the **View** operating right means the following:

If User A, who has the operating right **View**, connects to a computer to which User B, who has operating rights, is already connected, then A is only granted **View** access. Keyboard and mouse are disabled for A.

If User B disconnects from the computer, User A remains in **View** mode. User A obtains operating access only upon disconnecting from this computer and then reconnecting to it.

Change own password:

By editing this entry you can grant the owner of this account the right, to change his or her own password (see [chapter 4.7](#)). **Default: yes**

5.1.1.5 Edit Target Access Rights

Here you can define the targets the user account can access. These rights are the individual rights of the selected user. They are displayed in yellow in the list field. The effective rights of the user are displayed in the green (see [Chapter 5.1.1.2](#)).

By pressing the **ENTER** key or left-clicking on the entry **EDIT TARGET ACCESS RIGHTS** in the **EDIT USER** submenu, the following window opens:

Access rights		User 2	
Set display		ALL	
Set all targets		no	
Target search		
Linux		No	No
SUN Sparc		View	No
WIN 2000		Full	No
WIN XP		Full	No
WIN NT		Full	Full
SPACE: Toggle			
ESC	TAB	F2 Save	

Using the menu item **Target search**, you can select an existing target via keyboard input. To do so, place the cursor in the **Target search** field using the

TAB key. By entering the target name in this field, the cursor jumps directly to the corresponding target in the list field. Keyboard input is also possible when the cursor is in the list field.

With the menu item "**Set target display**", you can toggle the display mode of the list field between "ALL" and a specific group. If you set the entry to "ALL" using the **SPACEBAR**, then all targets connected to the CATCenter are displayed. If you select a group, then the list field only shows targets that also belong to this group.

Furthermore, you can set all entries to one of the following values in this window using the entry "**Set all targets**":

- **no** or
- **full** or
- **view**

You can reach all fields in the header using the **TAB** key. This key switches back and forth between the entries mentioned above and the targets in the list field. Use the **Spacebar** (toggle) to change the values within these fields.

You can grant the user access rights to the targets displayed in the list using **F5** or **Spacebar**. Only the right-hand entries can be edited in the list field (yellow font, individual rights). The entries in green are the effective rights of the selected user. Only those targets to which the user is granted access here are displayed in the **SELECT** menu! To do so, select the desired entry and then change it to either "**No**", "**Full**", or "**View**".

Press **ESC** to exit the menu without saving the changes you have made. If you choose to do this, a warning message is displayed.

Warning	
You did not save your changes!	
Press	
F2	to save and exit
ENTER	to exit without saving
ESC	to cancel
F2	: Save and exit
Enter	: Exit without saving
ESC: Cancel	

Subsequently, you are returned to the **EDIT USER** submenu.

To save the changes you have made, press the **F2** key and return to the **EDIT USER** submenu.

Default setting: no access

5.1.1.6 Edit Personal Profile

You can establish user-specific settings in the **PERS. PROFILE** menu. This menu corresponds to the description in [Chapter 4](#).

5.1.1.7 New Target Right

In this line, you can define the access rights the respective user has for new targets as they are connected. These rights are the individual rights of the selected user. They are displayed in yellow in the list field. The effective rights of the user are displayed in the green (see [Chapter 5.1.1.2](#)).

The following entries are available (affects the individual rights):

- **No** (No access to all new targets that are connected) or
- **Full** (Full access to all new targets that are connected) or
- **View** (The user has view-only access to the new targets that are connected)

To save the changes you have made, press the **F2** key.

Use the **ESC** key to exit the **EDIT USER** submenu. If you have made any changes up to this point but wish to exit the **EDIT USER** submenu without saving your changes, a notification message to that effect will be displayed.

5.1.2 F4 Delete User

You can remove an account from the CATCenter system within the **USER CONFIG** submenu by pressing the **F4** key. This action is saved automatically.

5.1.3 F5 Edit User

You can use the **F5** key to edit an existing user account. This edit function corresponds to [Chapters 5.1.1.1 – 5.1.1.7](#)).

Edit User		
Username	User 1	
User Password		
Group membership		
Edit Config rights...		
Edit Operation rights...		
Edit target access rights...		
Edit Personal Profile...		
New target rights	no	no
ESC	TAB	F2: Save

The user name is in an editable field, which you can reach using **TAB** key. The username can be overwritten by pressing the **F5** key. **ENTER** completes the entry.

Pressing the **F2** key saves all changes you have made.

Use the **ESC** key to exit the **EDIT USER** submenu. If you have made any changes up to this point but wish to exit the **EDIT USER** submenu without saving your changes, a notification message to that effect will be displayed.

5.1.4 F6 Enable/Disable

To activate or deactivate a user account, select the corresponding account in the list field of the **USER CONFIG** submenu and then press the **F6** key.

The following selections are available:

- **en** Activates the selected user account
- **dis** Deactivates the selected user account

The entry in column 3 (enable) changes according to the selection you make with the **F6** key.

Your selection is automatically saved when you exit the **USER CONFIG** submenu.

Note: The user "**Admin**" displayed in the **USER CONFIG** submenu **cannot** be deactivated!

5.2 Creating, Editing, and Deleting User Groups

After you access this menu item, the **USER GROUP CONFIG** submenu opens.

User Group Config		Mode: Alph+
Search	
Name	Users	Enabled
Sales	7	en
Marketing	4	en
Accounting	3	dis

F3: Add Group	F4: Delete Group
F5: Edit Group	F6: En-/Disable

Using the menu item **SEARCH**, you can select an existing group via keyboard input. To do so, place the cursor in the **SEARCH** field using the **TAB** key. By entering the group name in this field, you narrow down the number of entries displayed in the list field. Only groups matching the character sequence entered in the **SEARCH** field are displayed in the list field. Keyboard input is possible at all times.

You can change the sort order of the list field by modifying the entry in the **MODE** field. Press the **TAB** key to reach the **MODE** field. Use the **Spacebar** (toggle) to switch between the 2 entries:

- **Alph+:** Sort in ascending alphabetic sequence
- **Alph-:** Sort in descending alphabetic sequence

Use the **UP ARROW** or **DOWN ARROW** keys on your keyboard to select existing groups.

The meaning of the columns within this window is as follows:

Column 1 **Name:** This column contains all groups that exist in the CATCenter system.

Column 2 **Users:** This column displays the number of users assigned to the group.

Column 3 **Enable**: This column shows whether a group is currently activated or deactivated. This column is edited using the **F6** key on the keyboard.

Four different F-keys are available to you for editing tasks in the footer of the **USER GROUP CONFIG** submenu.

In particular, these are:

- **F3**: ADD Group Use this key to create a new group (see [Chapter 5.2.1](#))
- **F4**: Delete Group Use this key to delete an existing group (see [Chapter 5.2.2](#))
- **F5**: Edit Group Use this key to edit an existing group (see [Chapter 5.2.3](#))
- **F6**: Enable Disable Use this key to activate or deactivate a group (see [Chapter 5.2.4](#))

These editing functions are explained in more detail in the following chapters.

All editing tasks carried out up to this point can be saved by pressing the **F2** key.

Use the **ESC** key to exit the **USER GROUP CONFIG** submenu. If you have made any changes up to this point but wish to exit the **USER GROUP CONFIG** submenu without saving your changes, a notification message to that effect will be displayed.

5.2.1 **F3 ADD Group**

If you would like to create a new group, press the **F3** key in the **USER GROUP CONFIG** submenu. The following window is opened:

Add Group	
Group name	<input type="text"/>
ESC	F2 Save

Assign a unique name for this group in the line **GROUP NAME**. A maximum of 14 alphanumeric characters is available to you for this purpose.

To save the changes you have made, press the **F2** key. This returns you to the **USER GROUP CONFIG** submenu.

Press **ESC** to exit the menu without saving the changes you have made.

To edit the new group you have created, select the group in the **USER GROUP CONFIG** submenu and press the **F5** key (**Edit User**). This is explained in [Chapter 5.2.3](#).

Note:

A maximum of 128 groups can be created.

5.2.2 F4 Delete Group

By pressing the **F4** key, you can remove a group from the CATCenter system within the **USER GROUP CONFIG** submenu. After pressing the **F4** key, the following window opens:

Confirm	
<p>Do you really want to delete User Group Marketing</p>	
ESC	: Cancel
Enter	: OK

Pressing the **ENTER** key confirms the deletion process and returns you to the **USER GROUP CONFIG** submenu. Pressing the **ESC** key cancels the deletion process and also returns you to the **USER GROUP CONFIG** submenu.

5.2.3 F5 Edit Group

You can use the **F5** key to edit an existing group.

Edit User Group		name
Group		Marketing
Member Management		
Edit Config rights...		
Edit Operation rights...		
Edit target access rights...		
New target right		no
ESC	TAB	F2: Save

The group name can be edited. When the window is opened, the cursor is in the list field. Press the **TAB** key to move to the **GROUPNAME** field in the header. The displayed name can be overwritten. **ENTER** completes the entry.

Once you have established all required settings for the user being edited, save your changes by pressing the **F2** key.

Press the **ESC** key to return to the **USER CONFIG** submenu.

The entries in this window are explained in more detail in the following chapters.

5.2.3.1 Member Management

Here you can add the user to a currently selected group. Note that a user can be a member of no more than 20 groups. On the other hand, there can be any desired number of members in a group.

By pressing the **ENTER** key or left-clicking on the entry **Member Management**, the following window opens:



Users that currently belong to a selected group are identified by an arrow that points to the right.

Using the menu item **SEARCH**, you can select an existing user via keyboard input. To do so, place the cursor in the **SEARCH** field using the **TAB** key. By entering the username in this field, you narrow down the number of entries displayed in the list field. Only users matching the character sequence entered in the **SEARCH** field are displayed in the list field. Keyboard input is possible at all times.

You can change the sort order of the list field by modifying the entry in the **MODE** field. Press the **TAB** key to reach the **Sort** field. Use the **Spacebar** (toggle) to switch between the 3 entries:

- **Alph+** Sort in ascending alphabetic sequence
- **Alph-** Sort in descending alphabetic sequence
- **Members** The members of the currently selected group are shown at the top of the list field

Press the **TAB** key to reach the **Show** field. Use the **Spacebar** (toggle) to switch between the 3 entries:

- **ALL USERS** All systems for the available user are displayed
- **NONMEMBERS** All users that are not members of the currently selected group are displayed
- **MEMBERS** All users that are members of the currently selected group are displayed

Use the **UP ARROW** or **DOWN ARROW** keys on your keyboard to select existing users.

Four different F-keys are available to you for editing tasks in the footer of the **Manage Members** submenu.

In particular, these are:

- **F3: ADD** Use this key to add a user to the currently selected group
- **F4: Remove** Use this key to remove a user from the currently selected group
- **Space: Toggle** Use this key to add a user to or remove a user from the currently selected group
- **F2: Save** Press this key to save all changes you have made and return to the **Edit User Group** submenu

Press the **ESC** key to exit the **Manage Members** submenu. If you have made any changes up to this point but wish to exit the **Manage Members** submenu without saving your changes, a notification message to that effect will be displayed.

5.2.3.1.1 Adding a User to a Group

To add a user to the currently selected group, use the cursor or the arrow keys to move to the desired user.



Press the **SPACEBAR** (toggle) or the **F3** key to assign the user to the selected group. A green arrow appears in front of the username. However, the username is still displayed in yellow. The process is completed by pressing the **F2** key, and the user is now a member of the selected group.

5.2.3.1.2 Removing a User from a Group

To remove a user from the currently selected group, use the cursor or the arrow keys to move to the desired user.

Press the **SPACEBAR** (toggle) or the **F4** key to cancel the assignment of the user to the selected group. The right arrow in front of this user disappears. Press the **F2** key to complete the process.

5.2.3.2 Edit Config Rights

Here you can assign configuration rights to the group account.

By pressing the **ENTER** key or left-clicking on the entry **CONFIG RIGHTS**, the following submenu opens:

Config Right	Marketing
Set all rights to	no
Name	Grp
User	no
Target	no
Console	no
Video	no
System	no
Network	no
Power	no
ESC	TAB
	F2 Save

In this window, you can use "**Set all rights to**" to set all entries to one of the following values:

- **yes** or
- **no**

Use the **TAB** key to access this pre-select field. This key alternates between the "**Set all rights to**" entry and the other seven configuration areas. Use the **Spacebar** (toggle) to change the values within the "**Set all rights to**" field.

Here you can also assign configuration rights to the user group. Only those configuration items activated for the user group can be selected by the members of this user group in the **Configuration** menu **F11** (displayed in white)! To do so, select the desired entry and then change it to either "yes" or "no".

Use the **ESC** key to exit the **CONFIG RIGHT** submenu. If you have made any changes up to this point but wish to exit the **CONFIG RIGHT** submenu without saving your changes, a notification message to that effect will be displayed.

To save the changes you have made, press the **F2** key and return to the **EDIT USER GROUP** submenu.

Default setting: no

5.2.3.3 Edit Operation Rights

Here you can define which **OPERATION** rights should be available to the user account in the **OPERATION** menu (**F9**).

By pressing the **ENTER** key or left-clicking on the entry "**EDIT OPERATION RIGHTS**", the following submenu opens:

Operation Right	
Set all rights to Name	no Grp
Mouse Reset	no
Personal Profile	no
Multi Access	no
Target Power	no
Change own password	no
ESC	TAB F2 Save

In this window, you can use "**Set all rights to**" to set all entries to one of the following values:

- **yes** or
- **no**

Use the **TAB** key to access this pre-select field. This key alternates between the "**Set all rights to**" entry and the other four operation areas. Use the **Spacebar** (toggle) to change the values within the "**Set all rights to**" field.

Here you can also assign configuration rights to the user group. Only those operation items made available to the user are displayed in the **OPERATION** menu in white and are therefore available to the members of this user group! To do so, select the desired entry and then change it to either "yes" or "no".

Use the **ESC** key to exit the **OPERATION RIGHT** submenu. If you have made any changes up to this point but wish to exit the **OPERATION RIGHT** submenu without saving your changes, a notification message to that effect will be displayed.

To save the changes you have made, press the **F2** key and return to the **EDIT USER GROUP** submenu.

Default setting: See window display

The entries within the list field have the following meanings:

Mouse Reset: (see [Chapter 3.6](#))

Personal Profile: (see [Chapter 4](#))

Target Power: (see [Chapter 3.9](#))

Multi Access:

Here you can grant or deny the user group the right to **MultiAccess** target access via the CATCenter. The **MultiAccess** function is the option that a user can access a target that is already in use by another user.

Both users simultaneous have the display of the target on their monitor, and full keyboard / mouse access.

As soon as one of the users provides input via the keyboard or mouse, the keyboard / mouse of the other user are automatically locked.

Once input has ceased, the system re-enables the keyboard / mouse after a timeout of approx. 1 second, and access is once again possible for both users.

The active **MultiAccess - mode** is permanently shown on the display of both the initial and the second user (see [Chapter 5.8.4](#)).

Example:

Win 2000	(Target name, editable)
Console 1	(Console name, editable)
MULTIUSER	(Note regarding shared access)

Default: MultiAccess = No

Change own password:

By editing this entry you can grant the owner of this account the right, to change his or her own password (see [chapter 4.7](#)). **Default: no**

5.2.3.4 Edit Target Access Rights

Here you can define the targets the user group can access.

By pressing the **ENTER** key or left-clicking on the entry **EDIT TARGET ACCESS RIGHTS**, the following window opens:

Access rights		Marketing
Set display		ALL
Set all targets		no
Target search	
Linux		no
SUN Sparc		no
WIN 2000		no
WIN XP		no
WIN NT		no
SPACE: Toggle		
ESC	TAB	F2 Save

Using the menu item **Target search**, you can select an existing target via keyboard input. To do so, place the cursor in the **Target search** field using the **TAB** key. By entering the target name in this field, the cursor jumps directly to the corresponding target in the list field. Keyboard input is also possible when the cursor is in the list field.

With the menu item "**Set target display**", you can toggle the display mode of the list field between "ALL" and a specific group. If you set the entry to "ALL" using the **SPACEBAR**, then all targets connected to the CATCenter are displayed. If you select a group, then the list field only shows targets that also belong to this group.

Furthermore, you can set all entries to one of the following values in this window using the entry "**Set all targets**":

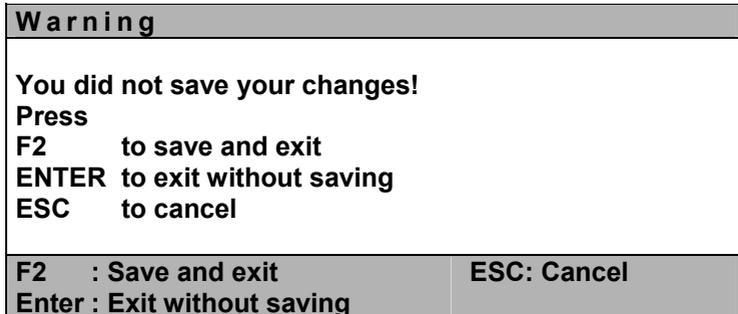
- **No** or
- **Full** or
- **View**

You can reach all fields in the header using the **TAB** key. This key switches back and forth between the entries mentioned above and the targets in the list field. Use the **Spacebar** (toggle) to change the values within these fields.

You can grant the user group access rights to the targets displayed in the list using **F5** or **Spacebar**. Only those targets to which the user group is granted

access here are displayed in the **SELECT** menu! To do so, select the desired entry and then change it to either "**No access**", "**Full access**", or "**View only**".

Press **ESC** to exit the menu without saving the changes you have made. If you choose to do this, a warning message is displayed.



Subsequently, you are returned to the **EDIT USER GROUP** submenu.

To save the changes you have made, press the **F2** key and return to the **EDIT USER GROUP** submenu.

Default setting: no access

5.2.3.5 New Target Right

In this line, you can define the access rights the respective user has for new targets as they are connected.

The following selections are available:

- **No** (No access to all new targets that are connected) or
- **Full** (Full access to all new targets that are connected) or
- **View** (The members of the user group have view-only access to the targets)

To save the changes you have made, press the **F2** key.

Use the **ESC** key to exit the **EDIT USER GROUP** submenu. If you have made any changes up to this point but wish to exit the **EDIT USER GROUP** submenu without saving your changes, a notification message to that effect will be displayed.

5.2.4 F6 Enable/Disable

To activate or deactivate a user group, select the corresponding account in the list field of the **USER GROUP CONFIG** submenu and then press the **F6** key.

The following selections are available:

- **en** Activates the selected user group
- **dis** Deactivates the selected user group

The entry in column 3 (enable) changes according to the selection you make with the **F6** key.

Your selection is automatically saved when you exit the **USER GROUP CONFIG** submenu.

5.3 Creating, Editing, and Deleting Targets

After you access the **TARGET** submenu in the list field of the **CONFIGURATION** menu, the **TARGET MANAGEMENT** submenu opens.

Target Management	
Sort Alph+	Show: All
CPU Search:	
WIN 2000	000001DC
WIN XP	0000125W
WIN NT	000025DQ
Linux	0000010Q
SUN Sparc 5	0000252A
CPU-ID 000012dc	000012DC
F4: Delete	F5: Edit
F7: Move	ESC

The first column contains the editable target name (see [Chapter 5.3.1](#)). The second column contains the CATpro2 ID. This ID cannot be edited.

5.3.1 Editing the Selected Target

Open the **Edit TARGET** submenu of the target selected using the **UP ARROW** or **DOWN ARROW** keys on your keyboard by pressing the **F5** key. In this submenu, you can perform the following tasks:

- Change the target name
- Reset the IVT data of the selected target
- AdonIS synchronization

5.3.1.1 Changing the Target Name

You can modify the default physical target name (ID of the CATpro2; see [Chapter 2.4](#)) to a logical target name.

Press the **TAB** key to enter edit mode for the selected target. The target name is displayed in white in the header of the **Edit TARGET** submenu.

Up to 15 alphanumeric characters can be entered.

F2 saves the data and takes you back to the **TARGET MANAGEMENT** submenu.

To exit the menu, press **ESC**.

5.3.1.2 Reset Target Video Data

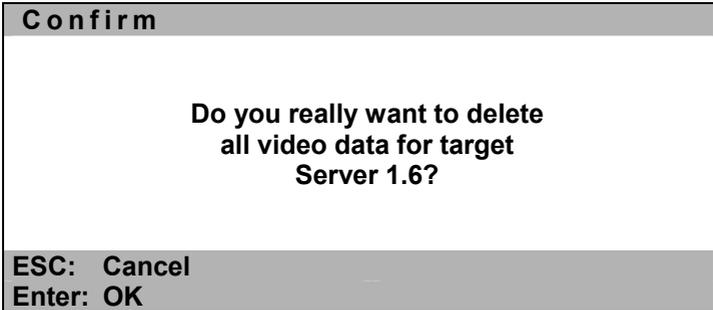
A profile that contains information regarding the cable parameters (e.g. cable length) for every target is saved per console. These values ensure the optimal display of the video at your workstation. These values are determined and saved automatically the first time your console connects to a target.

If the cable length between a CATpro2 and the CATCenter changes, this may influence the display quality. The target displayed on your monitor may become fuzzy or distorted.

In order to automatically create new profiles for all connected consoles the next time they connect to this target, the stored profiles can be deleted using the entry **Reset target video data**.

To do so, use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard or the mouse to select the entry **Reset target video data** and then press **ENTER**.

The following window opens:



Pressing the **ENTER** key again deletes the video profiles. Subsequently, you are returned to the **Edit Target** submenu.

To exit the menu without making any changes, press **ESC**.

5.3.1.3 OSD Sync

Depending on the computer settings, it is possible that a synchronization signal (H, V) is also transmitted over a common cable in addition to the color information (R, G, B). In such cases, the color display in AdonIS is incorrect. It appears brighter and with less contrast.

In the menu item **OSD sync**, you can adjust this behavior for the affected target.

Three alternatives are available:

- **Off**
- **green**
- **all**

Adjust AdonIS by selecting the correct setting, depending on the appearance, using the **Spacebar**.

With the entry **off**, AdonIS is not adjusted.

F2 saves the data and takes you back to the **TARGET MANAGEMENT** submenu.

Use the **ESC** key to exit the **EDIT TARGET** submenu. If you have made any changes to the **OSD sync** entry up to this point but wish to exit the **EDIT USER**

submenu without saving your changes, a notification message to that effect will be displayed.

5.3.1.4 USB Multimedia Keyboard

Select this menu item to activate multimedia USB support in the CATpro2 USB dongle. By default, this setting is deactivated (value is set to "no")!

This item is only active and therefore selectable if the following conditions have been met:

- The selected target must be connected to the CATCenter using a CATpro2 USB dongle.
- This CATpro2 USB dongle must be active.
- The firmware version of the CATpro2 USB dongle must be greater than or equal to rev. 1.42. You can obtain this information under system info (first press the **F12** key, then access the menu item "System Info"). You will find the revision number of the currently connected CATpro2 USB dongle in the right hand column of the target line.

5.3.1.5 IBM RS/6000 support

Activate the support for UNIX servers of IBM's RS/6000 series (option: **yes**) if the target computer is such a server.

Note: This setting can only be edited with PS/2 versions of the target modules.

5.3.1.6 USB power management

The target modules of the CATpro2-USB series are usually switched on as soon as the USB controller provides the target module with the required voltage.

Deactivate the »USB power management« setting (option: **no**) if no screen content is being displayed on the monitor of the accessing user module while the target computer is booting.

Note: This setting can only be edited with USB versions of the target modules.

5.3.1.7 Apple mode

If the Apple computer that is connected to the target module does not react (properly) when the multimedia keys are pressed, a special keymode for Apple computers can be activated (option: **yes**).

Note: This setting can only be edited with USB versions of the target modules.

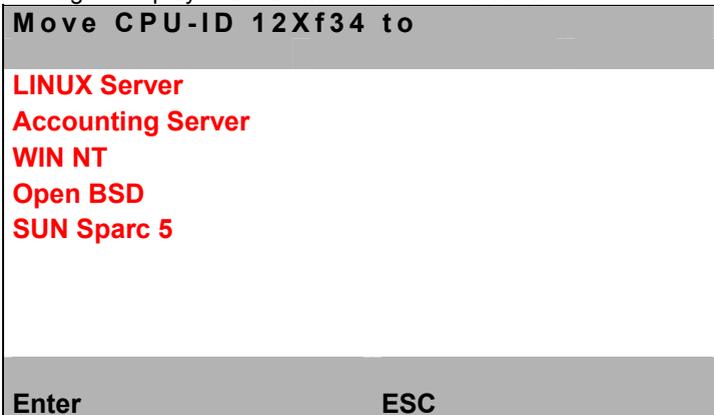
5.3.2 Inheriting Existing Target Information

If you have connected a target that is already connected to the CATCenter with a new CATpro2 (e.g. after the failure of an old CATpro2, the **TARGET MANAGEMENT** submenu shows the physical ID of the new CATpro2 instead of the old target name (this can either be a physical ID of the old CATpro2 or a logical name for a target assigned to this dongle).

The new CATpro2 can inherit the old target information.

To do so, use the **UP ARROW** or **DOWN ARROW** keys on the keyboard or the mouse to move to the physical ID of the new CATpro2 in the **TARGET MANAGEMENT** submenu. Then press the **F7** key (**Move**). A window opens listing all targets from the **TARGET MANAGEMENT** submenu which have the status **RED** and that can be assigned to the new CATpro2.

The targets displayed in this window are shown in white.



The status can be **RED** when:

- A target is turned off.
- A target no longer exists on a CPU interface.
- A CATpro2 no longer works.

Now use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard or the mouse to select the entry **MOVE TARGET INFO** submenu and then press **ENTER**. The target information is then transferred to the new CATpro2.

5.3.3 Deleting a Target

If you remove a CATpro2 from a CPU interface because the connected target no longer exists, the corresponding entry remains in the **SELECT** menu and the **TARGET MANAGEMENT** submenu. It is displayed in **RED**.

You can delete this entry from the **TARGET MANAGEMENT** submenu therefore from the CATCenter system.

To do so, use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard or the mouse to select the corresponding entry in the **TARGET MANAGEMENT** submenu and then press the **F4** key.

A confirmation dialogue opens with the following text:

Confirm
Do you really want to delete Target LINUX – Server?
ESC: Cancel
Enter: OK

Press the **ENTER** key to confirm the deletion. Use the **ESC** key to cancel it.

Note:

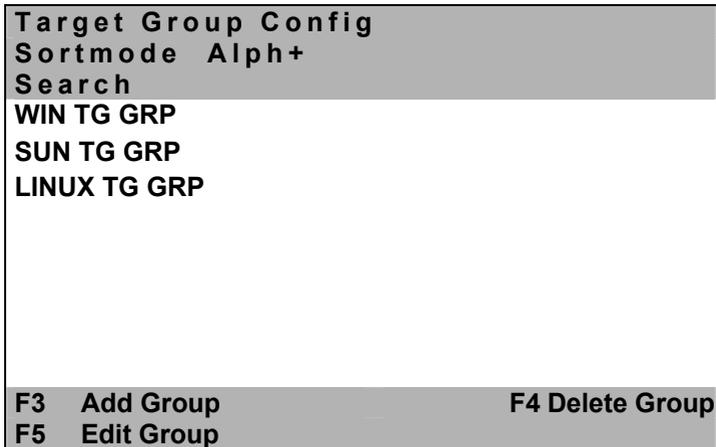
This function can be used to delete inactive targets only. If you would like to delete an active target (a target that is running), you receive the following warning message:

Attention
Powered on target cannot be deleted
Enter: OK

5.4 Creating, Editing, and Deleting Target Groups

The targets edited in [Chapter 5.3](#) can be combined into target groups. A target can only be a member of one target group.

After you access the **TARGET GROUP** submenu in the list field of the **CONFIGURATION** menu, the **TARGET GROUP** submenu opens.



Use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard to select existing groups.

This column contains all target groups that exist in the CATCenter system.

Three different **F-Keys** are available to you in the footer of this window to carry out editing tasks.

In particular, these are:

- **F3:** Add Group Use this key to create a new group (see [Chapter 5.4.1](#))
- **F4:** Delete Group Use this key to delete an existing group (see [Chapter 5.4.2](#))
- **F5:** Edit Group Use this key (or **Enter**) to edit an existing group (see [Chapter 5.4.3](#))

These editing functions are explained in more detail in the following chapters.

All editing tasks carried out up to this point can be saved by pressing the **F2** key.

Use the **ESC** key to exit the **TARGET GROUP CONFIG** submenu.

5.4.1 **F3 Add Group**

If you want to create a new target group, press the **F3** key in the **TARGET GROUP CONFIG** submenu. The following window is opened:

Add Group	
Group name	<input type="text"/>
ESC	F2: Save

Assign a unique name for this group in the line **Group name**. A maximum of 12 alphanumeric characters is available to you for this purpose.

Press **ESC** to exit the menu without saving the changes you have made. To save the changes you have made, press the **F2** key. Subsequently, you are returned to the **TARGET GROUP CONFIG** submenu.

To add new targets to this group, press the **F5** key. The **GROUP MEMBERS** submenu opens; here you can add targets to the new group you have created. In case of existing target groups, this list shows all targets already assigned to this group.

Group Members	WIN GRP
Search	
F3 Add Member	F4: Delete member
F5 Edit group name	F2: Save

The previously established group name can be subsequently edited in the **GROUP MEMBERSHIP** submenu by pressing the **F5** key. By pressing this key, the cursor jumps to the field that contains the target group name so that it can be edited. **ENTER** completes the entry.

Targets being added to a group can be removed from this group by pressing the **F2** key. A confirmation dialogue opens with the following text:

Confirm	
<p>Do you really want to delete Target Group member CPU-ID 00001711?</p>	
<p>ESC: Cancel Enter: OK</p>	

Press the **ENTER** key to confirm the deletion. Use the **ESC** key to cancel it.

To add new targets to this group, press the **F3** key.

Add Members		WIN GRP
Sort Alph+	Show:	Available
Search		
Linux		
SUN Sparc		
x	WIN 2000	
	WIN XP	
x	WIN NT	
F3: Add member		F2: Save
ESC		TAB

This list shows all targets available on the CATCenter, i.e., those that have not yet been assigned to a group.

Press the **TAB** key to reach the **SORT** field. Use the **Spacebar** (toggle) to switch between the 2 entries:

- **Alph+:** Sort in ascending alphabetic sequence
- **Alph-:** Sort in descending alphabetic sequence

The field **"Show"** can be used to limit the list that is displayed.

- All** Shows all targets available on the CATCenter.
- Available** Shows only those targets that can be added to a group.

By default, this is set to "Available".

If the display setting is changed to "ALL", the targets that can be added to a group are displayed in white. Targets that already belong to a group are displayed in light blue.

For the targets already assigned to a group, the group name is displayed in the right-hand column.

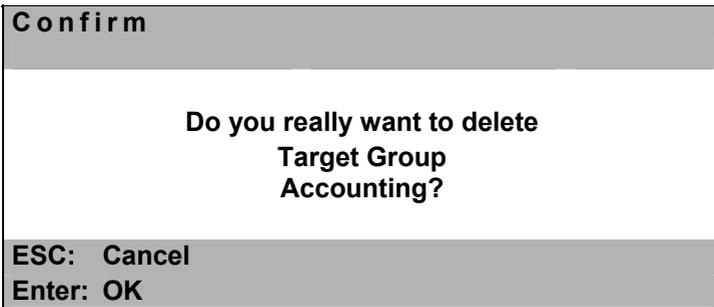
Use the **F3** key to add a target to the current group. To do so, use the cursor or the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard to move to the desired target and then press the **F3** key. This is indicated by a cross in front of the respective target. Pressing the **F3** key again cancels the selection.

The changes are saved by pressing the **F2** key. The selected targets are added to the current group. You are returned to the **GROUP MEMBERS** submenu.

5.4.2 **F4 Delete Group**

By pressing the **F4** key, you can remove a group from the CATCenter system within the **TARGET GROUP CONFIG** submenu. All changes that have been made are saved automatically.

To do so, use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard or the mouse to select the corresponding entry in the **TARGET GROUP CONFIG** submenu and then press the **F4** key (delete). A confirmation dialogue opens with the following text:



Press the **ENTER** key to confirm the deletion. Use the **ESC** key to cancel it.

5.4.3 F5 Edit Group

You can use the **F5** key to edit an existing group. This edit function corresponds to the explanation in [Chapter 5.4.1](#).

5.5 Optimizing the Screen Display

The first time a console connects to a target, a video profile is automatically created for the target. The CATCenter system offers the option to subsequently adjust the video manually for all connected consoles using the IVT mode.

After you access the **VIDEO** submenu in the list field **Fehler! Textmarke nicht definiert.** of the **CONFIGURATION** menu, the "IVT" window opens.

The user can adjust for various cable lengths using this function. The individual design of this function makes it possible to use the subjective perception of every person as the guideline for a "good picture".

The adjustment is carried out via the UCON (or UCON-s, UCON-a, UCON-IP) using the connected keyboard.

The system covers the range from 0 - 190 and the adjustment can be made in increments of 1.

Delay differences of the CAT-x cables (skew) are automatically compensated electronically with the delay setting (only for UCON and UCON-s). However, a manual setting is possible.

5.5.1 Rights

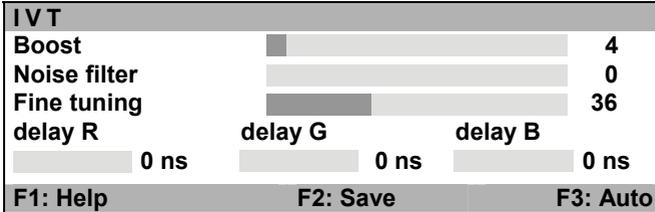
The following persons have the right to carry out the IVT function:

- The administrator
- All users granted the right to do so by the administrator. These users must have video configuration rights (see User Accounts, [Chapter 5.1.1.3](#)).

5.5.2 Accessing IVT Mode

You can access IVT mode via the **CONFIGURATION** menu. To do so, use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard or the mouse to select the entry **Video** in the **CONFIGURATION** menu and then press **ENTER**.

The following window opens:



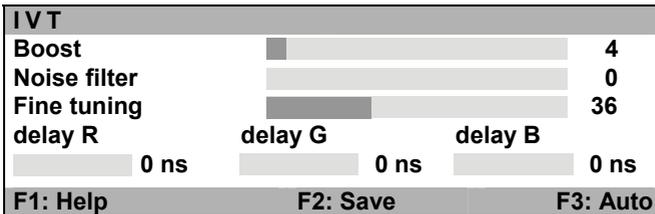
Settings within the **IVT** submenu can be established via the UCON and UCON-s. The delay setting is not available for the UCON-a and UCON-IP.

5.5.3 Video Tuning Setting

After you access IVT, the following settings are available to you in the open **IVT** submenu:

- Establishing the video boost.
- Setting the noise filter.
- Fine tuning.
- Delay setting on the colors R, G, and B of the CAT-x cable (this function is only available for the UCON and UCON-s!).

The **IVT** submenu appears as follows:



- ESC:** Exits the **IVT** submenu without saving changes
- F1:** Opens the **IVT** help window
- F2:** Saves all changes and closes the **IVT** submenu
- F3:** Carries out automatic video optimization

You can switch between the individual entries using the **UP ARROW** and/or **DOWN ARROW** keys.

5.5.3.1 Automatic Settings

You can establish all video settings automatically. To do so, you must be connected to a target.

To activate this function, press the **F3** key. While the settings are being established automatically, the monitor turns black for approx. 3 seconds. After the automatic settings have been established, the display reappears.

After the automatic video setting process, save the settings by pressing the **F2** key. In this case, the **IVT** submenu is closed and you return to the **CONFIGURATION** menu.

5.5.3.2 Manual Settings

In case, that the automatic setting doesn't meet your expectations, you can adjust the video display manually. This manually adjusting of the video display is described in the following chapters.

5.5.3.2.1 Establishing the Video Boost



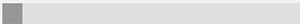
The following keys are available to you to modify the video boost:

Key ←		Subtracts 1 from the video boost value
Key →		Adds 1 to the video boost value
Keys CTRL + ←		Subtracts 5 from the video boost value
Keys CTRL + →		Adds 5 to the video boost value
Home		Maximum video boost (Caution: Overdrive possible → no picture visible on monitor)
End		Minimum video boost

If you want to make other changes within the **IVT** submenu, use the **UP ARROW** and/or **DOWN ARROW** keys to move to another entry.

After establishing the video boost, confirm and save your selection by pressing **F2** or discard your changes by pressing **ESC**. In both cases, the **IVT** submenu is closed and you return to the **CONFIGURATION** menu.

5.5.3.2.2 Setting Noise Suppression

Noise filter:  0

If the video quality of your monitor is influenced by noise, this effect can be removed using the noise filter setting.

The following keys are available to you to modify the noise filter setting:

Key ←	Subtracts 1 from the noise suppression value
Key →	Adds 1 to the noise suppression value
Keys CTRL + ←	Subtracts 5 from the noise suppression value
Keys CTRL + →	Adds 5 to the noise suppression value
Home	Maximum noise suppression (value: 255)
End	Noise suppression has the value 0

If you want to make other changes within the **IVT** submenu, use the **UP ARROW** and/or **DOWN ARROW** keys to move to another entry.

After establishing the noise filter setting, confirm and save your selection by pressing **F2** or discard your changes by pressing **ESC**. In both cases, the **IVT** submenu is closed and you return to the **CONFIGURATION** menu.

5.5.3.2.3 Fine Tuning

Fine tuning:  36

The following keys are available to you for fine tuning:

Key ←	Subtracts 1 from the fine tuning value
Key →	Adds 1 to the fine tuning value
Keys CTRL + ←	Subtracts 5 from the fine tuning value
Keys CTRL + →	Adds 5 to the fine tuning value
Home	Maximum fine tuning (value: 575)
End	Minimum fine tuning (value: 0)

If you want to make other changes within the **IVT** submenu, use the **UP ARROW** and/or **DOWN ARROW** keys to move to another entry.

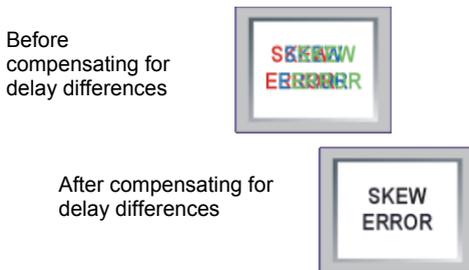
After establishing the fine tuning setting, confirm and save your selection by pressing **F2** or discard your changes by pressing **ESC**. In both cases, the **IVT** submenu is closed and you return to the **Configuration** menu.

5.5.3.2.4 Setting the Delay

An important aspect for the use of the CATCenter system is that the delay of signals on the various wire pairs of a CAT-x cable must be the same. Different delay times lead to color errors that appear similar to a convergence error on the monitor. The severity of the color error depends on the cable length, cable type, screen resolution, and screen refresh rate.

The cause for this type of delay difference is the uneven transposition of the various wire pairs.

A visible effect of the delay differences is that the three colors red, green, and blue do not converge on top of each other. The text on the monitor then appears as follows (exaggerated for clarity):



The three colors appear next to each other. The display on the monitor does not have well-defined edges. It appears blurry and may have a colored aura.

The CATCenter system automatically compensates for delay differences. A manual setting is also possible. This manual setting is established using either the UCON or the UCON-s.

However, this will only be required in exceptional cases.

This setting is not necessary and thus not available for UCON-a and UCON-IP.

Setting the delay compensation

delay R	delay G	delay B
<input type="text"/> 0 ns	<input type="text"/> 0 ns	<input type="text"/> 0 ns

The delay compensation can be set in the CATCenter system for all three color signals up to 46 ns.

At 0 ns, no delay compensation (delay) has been set.

The following keys are available to you to modify the delay compensation:

Key ←		Decreases the delay compensation by 2 ns
Key →		Increases the delay compensation by 2 ns
Keys CTRL + ←		Decreases the delay compensation by 10 ns
Keys CTRL + →		Increases the delay compensation by 10 ns

Example:

If the color signal for red appears too early, select the entry delay R and delay the signal until all colors converge again and a correct picture is displayed. If another color signal appears on the monitor too late, repeat this process as described above.

After establishing the delay compensation settings, confirm and save your selection by pressing **F2** or discard your changes by pressing **ESC**. In both cases, the **IVT** submenu is closed.

If you want to make other changes within the **IVT** submenu, use the **UP ARROW** and/or **DOWN ARROW** keys to move to another entry.

5.5.4 Notes on IVT Settings

The steps described above are guidelines.

Since the quality of a video display depends on the monitor, the graphics card, and the transmission cable, it is possible that you may achieve the subjective "best picture" with a boost setting of 140 in spite of a cable length of 120 meters, for example.

Test the settings to find what is best for your application.

Since the **UP ARROW** and/or **DOWN ARROW** keys work in 1-meter increments, you may have to press these keys repeatedly to achieve a perfect picture.

If your monitor remains black, please check whether the resolution setting of the graphics card is supported by the monitor. If this is the case, activate the **IVT** submenu ([Chapter 5.5.2](#)).

It is also possible that the range supported by your monitor has been exceeded. Select the lowest setting and then move up using the **PgUp** key. The picture will reappear and you can establish the optimal settings.

5.5.5 Tested Resolution

During internal testing, we achieved good picture quality at the following resolutions (the values are independent of the cable and IVT settings used):

Meters	Resolution	Screen Refresh Rate
100	1600 x 1200	Max. 85 Hz
150	1600 x 1200	60 Hz
200	1280 x 1024	Max. 85 Hz
300	1280 x 1024	60 Hz

This overview is not intended to represent maximum values.

5.6 Administering a Console / Establishing an OpenAccess Console

After you select the **CONSOLE** submenu in the list field of the **CONFIGURATION** menu, the **CONSOLE CONFIG** submenu opens.

Console Config		
CON 00000028		Standard
CON 00000029		Standard
CON 00000030		OpenAccess
CON 00000031		Standard
CON 000000121		Standard
CON 000000122		Video
CON 000000134		Standard
CON 000000138		Standard
F4: Delete	F5 Edit	SPACE: Toggle type
F6 Enable / Disable		F2: Save

The meaning of the columns within this window is as follows:

Column 1 **Name**: This column displays the logical name assigned to this physical console. In the default state, this name is the device ID of the UCON (or UCON-s or UCON-a) connected to this console port. This name can be edited by pressing the **F5** key on the keyboard.

Column 2 **Type**: This column displays the console type. The choices are "OpenAccess", "Standard", and "Video". If the console is a standard console, then this console has the right to access the system and possibly carry out configuration tasks. Access takes place using an assigned password and login name. If the console is an "OpenAccess" console (see [Chapter 5.6.2, OpenAccess console type](#)), then the rights of the console must first be defined. In case of a video console, target operation using the keyboard / mouse is deactivated (see [Chapter 5.6.3, video console type](#)). It is only possible to view the video display of the device connected to the console.

The console types can be configured further by pressing the **F5** key (see [Chapter 5.6.1](#)).

Use the **UP ARROW** and/or **DOWN ARROW** keys on the keyboard or the mouse to select the individual consoles.

All editing tasks carried out up to this point are saved by pressing **F2**.

Press **ESC** to exit the menu without saving the changes you have made. If you choose to do this, a warning message is displayed.

Warning	
You did not save your changes!	
Press	
F2	to save and exit
ENTER	to exit without saving
ESC	to cancel
F2	: Save and exit
Enter	: Exit without saving
ESC	: Cancel

Press the **F2** key to permanently save your changes. This returns you to the **CONFIGURATION** menu

5.6.1 Edit Console - Standard Console (F5)

You can edit a standard console by pressing the **F5** key or the **ENTER** key. This opens the following window:

Edit Console	
Console name	CON00001245
Edit Config rights...	
Edit Operation rights...	
Edit target access rights...	
Edit Personal Profile...	
New target rights	full
Enhanced keyboard	
Auto Logout	00 off
Screensaver time	00 off
Scancode set	2
OSD keyboard layout	German
OSD by mouse	no
Remember last user name	yes
Keyboard required	no
OSD blocked	no
Reset console video data	
Video	
ESC	TAB: Edit Name F2: Save

Within this window, the first four entries and the menu items **OSD blocked** and **Video** cannot be edited. The other entries are explained in the following chapters.

The console name can be edited. When the window is opened, the cursor is in the list field. Press the **TAB** key to move to the **CONSOLE NAME** field in the header. The displayed name can be overwritten. **ENTER** completes the entry.

Once you have established all required settings for the user being edited, save your changes by pressing the **F2** key.

Press the **ESC** key to return to the **CONSOLE CONFIG** submenu.

The entries (including the inactive ones) in this window are explained in more detail in the following chapters.

5.6.1.1 Enhanced Keyboard

If you use PixelPower keyboards, you can use this menu item to activate the special functions for these keyboards in the CATCenter system.

To do so, use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard or the mouse to select the entry **ENHANCED KEYBOARD**. Now press the **ENTER** key. The **SELECT ENHANCED KEYBOARD** submenu opens.

You can select from the entries displayed here using the mouse or the **UP ARROW** and **DOWN ARROW** keys on your keyboard. The following selections are available:

- PixelPower Rapid Action
- PixelPower Clarity (blue)

Press the **SPACEBAR** to activate one of these entries. A yellow triangle appears in front of the selected entry. Pressing the **ENTER** key again cancels this assignment.

Once you are finished editing, press the **F2** key. All changes are saved and you return to the **CONSOLE CONFIG** submenu.

Press **ESC** to exit the menu without saving the changes you have made. If you choose to do this, a warning message is displayed.

5.6.1.2 AutoLogout

Use this entry to determine if this console is to be automatically logged out via **AUTO LOGOUT** to protect it against unauthorized access after a user-defined period of time when there is no keyboard / mouse activity.

To do so, use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard or the mouse to select the entry **AUTO LOGOUT**. By default, **AUTO LOGOUT** is turned off and the entry is set to "**00 Off**".

If you want to define **AUTO LOGOUT** for this console, press the **ENTER** key. The cursor jumps to an editable field to the left of the entry "**Off**". In this field, you can enter a value from 01 – 99 (in minutes).

After you have entered the desired **AUTO LOGOUT time**, press the **ENTER** key and the entry "**Off**" changes to "**min**" (for minutes). Entering "**00**" changes the value back to "**Off**".

Once you are finished editing, press the **F2** key. All changes are saved and you return to the **CONSOLE CONFIG** submenu.

5.6.1.3 Screensaver Time

The screen saver set here is generated by the CATCenter and is not connected in any way to the screen saver of the target.

Since there is normally an indirect connection (via the CATCenter) between the target and the monitor, you should turn the screen saver on the target off to make your work easier.

The screen saver of the CATCenter assumes this task; it puts the monitor in power-down mode.

Use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard to select the entry **SCREENSAVER TIME**. The existing entry can be overwritten, or edited by pressing the **ENTER** key.

A time of 1 – 99 minutes is valid. The entry "0" sets the screen saver to "OFF".

Once you are finished editing, press the **F2** key. All changes are saved and you return to the **CONSOLE CONFIG** submenu.

5.6.1.4 Scancode Set

The scancode is the "language" the keyboard uses to communicate with the target. The CATCenter works with scancode set 2.

Do not modify this setting unless asked to do so by our service department.

Place the cursor onto the corresponding entry.

By pressing the **SPACEBAR**, you can select between the following alternatives: **2** or **3**

Once you are finished editing, press the **F2** key. All changes are saved and you return to the **CONSOLE CONFIG** submenu.

5.6.1.5 OSD Keyboard Layout

Use this to adjust the keyboard layout used by the CATCenter to the actual layout of the connected keyboard. For example, you should modify this setting if you notice that Y/Z are switched (U.S. / German keyboard layout).

Note:

The country-specific keyboard setting is only required for the communication between your keyboard and Adonis. When Adonis is closed, all characters are passed to the target transparently.

The following alternatives are available:

- **German**
- **English US**
- **English UK**
- **French**
- **Spanish**
- **Latin America**
- **Portuguese**

Use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard to select the entry **ADONIS KEYBOARD LAYOUT**. Use the **SPACEBAR** (toggle) to select the desired option.

Once you are finished editing, press the **F2** key. All changes are saved and you return to the **CONSOLE CONFIG** submenu.

5.6.1.6 OSD by Mouse

Here, you can activate the special buttons of the Intelli-Explorer mouse for your work with the CATCenter. If you change this setting to "Yes", then Adonis cannot only be activated using the keyboard but also by pressing button 4 or 5 on the Explorer mouse (left side buttons).

Use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard to select the entry **OSD by Mouse**. Use the **SPACEBAR** (toggle) to select the desired option.

Once you are finished editing, press the **F2** key. All changes are saved and you return to the **CONSOLE CONFIG** submenu.

5.6.1.7 Remember Last User Name

Every time you want to access a target connected to the CATCenter, you first have to log on to the system using your login name and password (see [Chapter 2.1](#)).

Exception: OPEN ACCESS (see [Chapter 5.6.2](#)) and target access option VIEW (see [Chapter 5.2.3.4](#))

However, if you are normally the only one working on a console, you can reduce the login process to password entry only with the function **Remember**

last user name. In this case, your **Login** name is always displayed in the user name field of the login window.

Login	CON 00002005
User name	<input type="text"/>
Password	<input type="password"/>
ESC	G & D CATCenter
	TAB
	Enter

To do so, use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard or the mouse to select the entry **Remember last user name** in the **Edit Console** submenu and then press **ENTER**.

Use the **Spacebar** (toggle) to set the entry **Remember last user name** to Yes. Save this setting by pressing **F2**.

5.6.1.8 Keyboard Required

Use this function to determine if a keyboard is required on a console or not. A keyboard is not necessarily required, especially when using a video console. Therefore, you can determine that proper operation of this console can also take place without a keyboard for the UCON connected to the console.

Use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard to select the entry **Keyboard required**. Use the **SPACEBAR** (toggle) to select the desired option.

Once you are finished editing, press the **F2** key. All changes are saved and you return to the **CONSOLE CONFIG** submenu.

5.6.1.9 OSD Blocked

Use the entry **OSD blocked** to define whether **Adonis** can be accessed from the selected console or not. Thus, you can establish that, on this console, the user can only switch between the targets he or she has access to via hotkey.

Use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard to select the entry **OSD blocked**. Use the **SPACEBAR** (toggle) to select the desired option.

Once you are finished editing, press the **F2** key. All changes are saved and you return to the **CONSOLE CONFIG** submenu.

In case of a console defined as **Standard** (see **Chapter 5.6**) this entry is inactive and therefore cannot be selected.

5.6.1.10 **Reset Console Video Data**

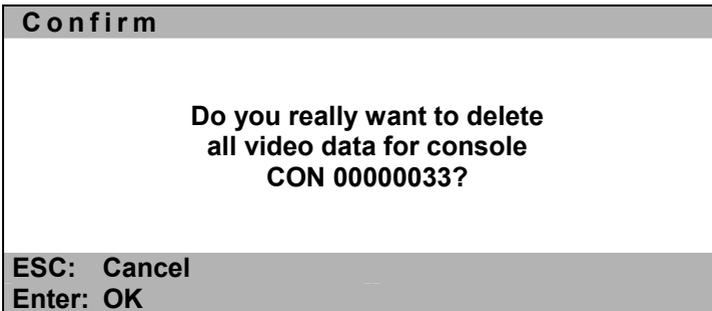
A profile that contains information regarding the cable parameters (e.g. cable length) for every target is saved per console. These values ensure the optimal display of the video at your workstation. These values are determined and saved automatically the first time your console connects to a target.

If the cable length between a UCON and the CATCenter changes, this may influence the display quality. A fuzzy or distorted representation of the target on your monitor may result.

In order to automatically create new profiles for all connected targets the next time they connect to this console, the stored profiles can be deleted using the entry **Reset console video data**.

To do so, use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard or the mouse to select the entry **Reset console video data** in the **Edit Console** submenu and then press **ENTER**.

The following window opens:



Pressing the **ENTER** key again deletes all video profiles and takes you back to the **Edit Console** submenu.

To exit the menu without making any changes, press **ESC**.

5.6.1.11 Video

The video entry in the **Edit Console** submenu for a remove IVT cannot be accessed for:

- Consoles that are not video consoles
- Consoles that are turned off
- UCON-S

This function can only be carried out for remote consoles. This function corresponds to IVT (see [Chapter 5.5](#)).

5.6.2 Console Type "OpenAccess"

With OpenAccess it is possible to enable system access to the CATCenter individually for every console without entering a login name and password. After turning on the console, the **Select** menu is automatically displayed.

When you first define a console as an OpenAccess console, it has no operation, configuration, and access rights. You have to assign these rights to the console (see [Chapter 5.6.2.2](#)).

5.6.2.1 Activating an OpenAccess Console

To enable open system access for a console, you have to complete the following steps:

1. Access the **SELECT** menu using the hotkey combination **CTRL** (default) + **NUM**
2. Press the **F11** key (the **CONFIGURATION** menu opens)
3. Select the **CONSOLE submenu** using either the keyboard or mouse (the **CONSOLE CONFIG submenu** opens)

Console Config		
CON 00000028		Standard
CON 00000029		Standard
CON 00000030		OpenAccess
CON 00000031		Standard
CON 000000121		Standard
CON 000000122		Video
CON 000000134		Standard
CON 000000138		Standard
F4: Delete	F5 Edit	SPACE: Toggle type
F6 Enable / Disable		F2: Save

Use the **UP ARROW** and/or **DOWN ARROW** keys on the keyboard or the mouse to select a console you want to define as an **OPEN ACCESS CONSOLE**. Use the **Spacebar** (toggle) to set the entry to **OPEN ACCESS**. Save this setting by pressing **F2**.

5.6.2.2 Configuring an OpenAccess Console

To configure **OPEN ACCESS** and assign specific rights, return to the **CONSOLE CONFIG** submenu, select the console marked as an **OPEN ACCESS** console, and press the **F5** key.

This takes you to the **OPEN ACCESS** configuration window.

Edit Console	
Console name	CON00001245
Edit Config rights...	
Edit Operation rights...	
Edit target access rights...	
Edit Personal Profile...	
New target rights	full
Enhanced keyboard...	
Auto Logout	00 off
Screensaver time	00 off
Scancode set	2
OSD keyboard layout	German
OSD by mouse	no
Remember last user name	yes
Keyboard required	no
OSD blocked	no
Reset console video data	
Video	
ESC	TAB: Edit Name F2: Save

In this window, you can perform the following tasks:

- Define the configuration rights to grant to **OPEN ACCESS** (see [Chapter 5.1.1.3](#))
- Define the operating rights to grant to **OPEN ACCESS** (see [Chapter 5.1.1.4](#))
- Determine the targets **OPEN ACCESS** is to have access to (see [Chapter 5.1.1.5](#))
- Define the personal settings of the **OPEN ACCESS** (see [Chapter 4](#))
- Determine what access **OPEN ACCESS** has to newly connected targets (see [Chapter 5.1.1.7](#)).
- Define whether the CATCenter system should support additional functions of special keyboards (see [Chapter 5.6.1.1](#))

- Define after what time period AutoLogout is carried out (see [Chapter 5.6.1.2](#))
- Activate the screen saver mode (see [Chapter 5.6.1.3](#))
- Define the keyboard language the target uses to communicate (see [Chapter 5.6.1.4](#))
- Define the keyboard layout to be used (see [Chapter 5.6.1.5](#))
- Define whether the additional buttons of the Intelli-Explorer mouse are activated to operate AdonIS (see [Chapter 5.6.1.6](#))
- Define whether a keyboard is required on the OpenAccess console (see [Chapter 5.6.1.8](#))
- Define if the user of the OpenAccess console has an OSD available (see [Chapter 5.6.1.9](#))
- Whether the IVT settings for this console are to be reset to zero (see [Chapter 5.6.1.10](#))

Please note that activating an OpenAccess console creates an open alternative system access to the CATCenter.

Use the **ESC** key to exit the **OPEN ACCESS** menu without saving your changes.

To save the settings, exit the menu with the **F2** key.

If OpenAccess is deactivated, the settings for **OPEN ACCESS** are retained. These settings only become active again if the **OPEN ACCESS** for this console is reactivated.

5.6.2.3 Activating Temporary Administrator Access

While OpenAccess is active, the administrator has the option to grant or revoke additional operating, configuration, and access rights on this OpenAccess console via a temporary access.

To do so, proceed as follows:

- 1) Activate AdonIS on the OpenAccess console by pressing the key combination (default): **CTRL + NUM**
- 2) Access the **OPERATION** menu by pressing the **F9** key.
- 3) Move the cursor to the entry **Temporary OAC login** and press **ENTER**.

The login window of the CATCenter appears on your screen. Log on here either as administrator or as user with configuration rights. You can now carry out all necessary configuration tasks for this OpenAccess console.

After you finish your configuration tasks, cancel the temporary access by carrying out the **UserLogout** in the **Operation** menu by pressing the **E** key. The administrator access is cancelled immediately and the **Select** menu appears on your screen.

Now OpenAccess is active once again.

5.6.3 Console Type – Video Console

Note: This console type is applicable when the option „Push/Get“ has been purchased and is activated.

With the console type "**Video console**", it is possible to use a **UCON** on a beamer without having a keyboard or mouse connected to this **UCON**. The configuration of a video console corresponds to an **OpenAccess** console (see [Chapter 5.6.2](#)).

However, there are two differences:

- No entries can be made on a connected computer from a video console. Keyboard and mouse are completely locked outside AdonIS.
- A video console does not tie up the target. If a video console connects to a computer, other users cannot see this. No change is visible in the number of connected users in the **Select** menu. Another user connected to the computer does not receive a multi-user message. A user without multi-access rights can connect if only a video console is connected to the computer.

5.6.3.1 Activating a Video Console

To activate the "VideoConsole" function, proceed as follows:

1. Access AdonIS using the hotkey combination **CTRL + NUM**.
2. Press the **F11** key; the **Configuration** menu opens.
3. Within the **Configuration** menu, select the entry "**Console**" with the cursor. Now press the **ENTER** key.

The **Console Config** submenu appears.

Console Config	
CON 0000028	Standard
CON 0000029	Standard
CON 0000030	OpenAccess
CON 0000031	Standard
CON 00000121	Standard
CON 00000122	Video
CON 00000134	Standard
CON 00000138	Standard
F4: Delete	F5 Edit
F6 Enable / Disable	SPACE: Toggle type
	F2: Save

The second column displays the console type. The choices are "OpenAccess", "Standard", and "Video".

Use the **UP ARROW** and/or **DOWN ARROW** keys on the keyboard or the mouse to select the individual consoles.

Use the **Spacebar** to switch between the console types. Press the **Spacebar** until the entry "Video" appears.

All editing tasks carried out up to this point are saved by pressing **F2**.

5.6.3.2 Configuring a Video Console

To configure **VIDEO CONSOLE** and assign specific rights, return to the **CONSOLE CONFIG** submenu, select the console marked as a **VIDEO** console, and press the **F5** key.

This takes you to the **VIDEO CONSOLE** configuration window.

Edit Console	
Console name	CON00001245
Edit Config rights...	
Edit Operation rights...	
Edit target access rights...	
Edit Personal Profile...	
New target rights	full
Enhanced keyboard	
Auto Logout	00 off
Screensaver time	00 off
Scancode set	2
OSD keyboard layout	German
OSD by mouse	no
Remember last user name	yes
Keyboard required	no
OSD blocked	no
Reset console video data	
Video	
ESC	TAB: Edit Name F2: Save

In this window, you can perform the following tasks:

- Define the configuration rights to grant to the **VIDEO CONSOLE** (see [Chapter 5.1.1.3](#))
- Define the operation rights to grant to the **VIDEO CONSOLE** (see [Chapter 5.1.1.4](#))
- Determine the targets the **VIDEO CONSOLE** is to have access to (see [Chapter 5.1.1.5](#))
- Define the personal settings of the **VIDEO CONSOLE** (see [Chapter 4](#))
- Determine what access the **VIDEO CONSOLE** has to newly connected targets (see [Chapter 5.1.1.7](#)).
- Define after what time period AutoLogout is carried out (see [Chapter 5.6.1.1](#))
- Activate screen saver mode (see [Chapter 5.6.1.2](#))

- Define the keyboard language the target uses to communicate (see [Chapter 5.6.1.3](#))
- Define the keyboard layout to be used (see [Chapter 5.6.1.4](#))
- Define whether the additional buttons of the Intelli-Explorer mouse are activated to operate Adonis (see [Chapter 5.6.1.5](#))
- Define if the status of the Numlock key is transferred (see [Chapter 5.6.1.7](#))
- Define if the user of the **VIDEO CONSOLE** has an OSD available (see [Chapter 5.6.1.9](#))
- Whether the IVT settings for this console are to be reset to zero (see [Chapter 5.6.1.10](#))
- Establish the IVT settings for this console (see [Chapter 5.6.1.11](#))

Use the **ESC** key to exit the **EDIT CONSOLE** menu without saving your changes.

To save the settings, exit the menu with the **F2** key.

If the **VIDEO CONSOLE** is deactivated, the settings for the **VIDEO CONSOLE** are retained. These settings only become active again if the **VIDEO CONSOLE** is reactivated.

5.6.4 Enable / Disable Console (F6)

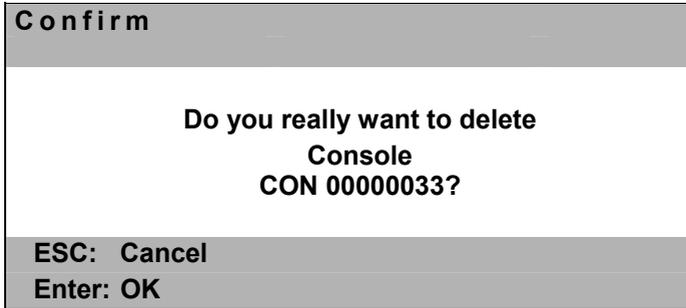
With the **F6** key **ENABLE/DISABLE**, you can activate or deactivate a console. There have to be at least 2 consoles on the CATCenter systems in order for this function to be carried out. To activate or deactivate a console, use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard or the mouse to select the desired console entry. Press **F6** to activate or deactivate the selected console. If you deactivate a console, column 2 "Type" displays the entry "disabled".

Please note that you cannot deactivate your own console!

5.6.5 Deleting a console

By pressing the **F4** key, you can remove any console within the **CONSOLE CONFIG** submenu from the CATCenter system.

To do so, use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard or the mouse to select the corresponding entry in the **CONSOLE CONFIG** submenu and then press the **F4** key (delete). A confirmation dialogue opens with the following text:



Press the **ENTER** key to confirm the deletion. Use the **ESC** key to cancel it.

Note:

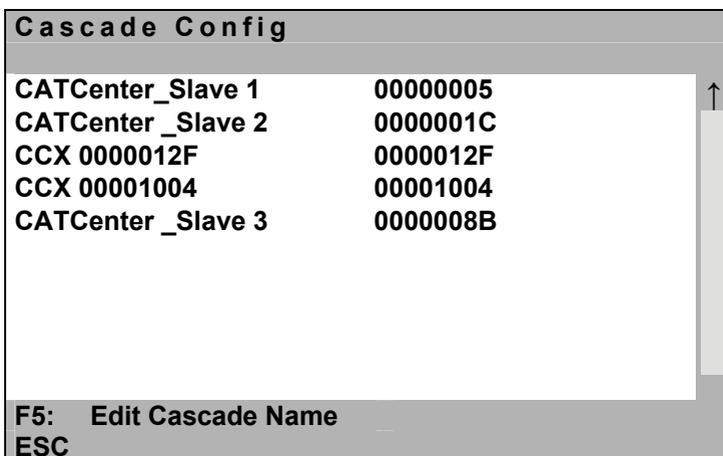
Deleting a connected and active console is not possible. To get an overview about the console status of each console see the menu **Information/View console status** (see [chapter 6.2](#)).

5.7 Slave Name Assignment for Cascaded Systems

If you have cascaded your CATCenter system, you can assign a unique name to the slave devices connected to the CATCenter master in the cascade menu.

In the **CONFIGURATION** menu, use the arrow keys to select the menu item **CASCADE**.

Pressing the **ENTER** key opens the following submenu:



The meaning of the columns within this window is as follows:

Column 1: By default, this column contains the device ID of the CATCenter slave devices connected to the CATCenter master. This ID always has the syntax *CCX 0000123C* (the numbers after *CCX* are a random 8-character number sequence). This name can be edited by pressing the **F5** key on the keyboard.

Column 2: In this column, the device ID of a CATCenter slave device is displayed. This device ID cannot be edited.

Use the **UP ARROW** and/or **DOWN ARROW** keys on the keyboard or the mouse to select the individual entries. These entries can be edited by pressing the **F5** key on the keyboard. The font color changes to yellow.

Confirm the device name input by pressing the **ENTER** key.

Use **ESC** to cancel the device name input.

In addition, pressing **ESC** exits the **CASCADE** submenu and returns you to the **CONFIGURATION** menu.

5.8 Defining System-wide Settings

In the **CONFIGURATION** menu, use the arrow keys to select the menu item **SYSTEM**.

A submenu that allows you to establish the following settings opens when you press the **ENTER** key:

System Config	
HotKey	CTRL
Double Hotkey	no
Selectkey	0....9
Multi User Display	off
RS232 Service	HardBoot
RS232 Baudrate	9600
Cascade Mode	Auto
System Name	CCX 0000123c
Features	
Set Systems Defaults	
Reset Netfilter Configuration	
ESC	F2: Save

If your software conflicts with the hotkeys used to operate AdonIS, you can change these here. Another reason to modify these hotkeys can be the combination of several G&D switch types.

By using a different switching hotkey per device, the individual G&D switches or components can be addressed in a defined manner.

5.8.1 Defining the Initial Hotkey

Place the cursor onto the entry **HotKey**.

By pressing the **SPACEBAR**, you can select between the following alternatives:

CTRL, Alt, Alt Gr, Win, Shift



Please note that the established hotkey will also be used as the initial key to access AdonIS (e.g. **WIN + NUM**).

To save the settings, exit the menu with **F2**.

5.8.2 Establishing the Double Hotkey

Here you can establish whether you want to use a double hotkey to access AdonIS or the IVT.

Use the **UP ARROW** and/or **DOWN ARROW** keys or the mouse to move to the entry Double Hotkey. Use the **SPACEBAR** to select between the following options:

- Yes
- No (default)

After you have changed the entry to Yes, you can select the desired double hotkey in the Hotkey line. For the double hotkeys available in the **Hotkey** line, please see the following table:

Display in the "HotKey" field	Creates the following double hotkey
CTRL	CTRL (Ctrl) + Shift
Alt	Alt +Shift
Alt Gr	Alt Gr + CTRL (Ctrl)
Win	Win + CTRL (Ctrl)
Shift	Shift + Windows



Please note that the established hotkey will also be used as the initial key to access AdonIS (e.g. **WIN (+CTRL) + NUM**).

To save the settings, exit the menu with **F2**.

5.8.3 Establishing the SelectKey

The second key of the hotkey that initializes the switching function can also be modified. Proceed as described under modification of hotkey 1 (see [Chapter 5.8.1](#)).

The following alternatives are available; groups of keys must always be selected:

- **0.. 9 (default)**
- **NUM0 ... NUM9 (SelectKey in the number pad)**
- **Function keys F1 ... F10**
- **Alphabetic A ... K (without "J")**

When you have made the corresponding changes, your new hotkey for computer 2 could appear as follows, for example: **WIN + B**.

5.8.4 Turning the Screen Display On / Off for Multi-User Operation

Here you can establish the setting for the multi-user operation screen display to one of the following values (see [Chapter 5.1.1.4, Multi Access section](#)):

- Permanent => on (permanently as long 2 users are connected to the target)
- Never => off (multi-user display is never shown)

After you move the cursor to the Multi User Display field, you can use the **SPACEBAR** (toggle) to select the desired option.

To save the settings, exit the menu with **F2**.

Default setting: on

5.8.5 Establishing the Communication Mode of the RS232 Interface

Use the menu item "**RS232 Service**" to determine which function or service is assigned to the RS232 interface on the front of the CATCenter.

The following selections are available:

HardBoot: If this service is selected, the CATCenter requests the status of a connected HardBoot and sends commands used to turn outlets on and off.

If you want to turn targets on and off using the CATCenter, you should activate this service here. This function is active by default.

Since HardBoot must always be operated with a fixed baud rate of 9600 baud, the entry "**RS232-BAUDRATE**" (see [Chapter 5.8.6](#)) cannot be modified.

Debug: This service is reserved for G&D service technicians.

5.8.6 Establishing the RS232 Baud Rate

The **RS232-BAUDRATE** specifies the speed of the RS232 interface.

The following speeds are available:

- 9600
- 19200
- 38400
- 57600
- 115200

The **RS232-BAUDRATE** can only be set when the function **DEBUG** has been activated under the menu item **RS232**. Otherwise, this entry is not editable.

5.8.7 Operation modes of the CATCenter within a cascade

If a cascaded CATCenter system is developed, each CATCenter detects automatically whether it is installed as master or as slave within the cascaded system.

By using the standard setting (Auto) the unintentional change of the cabling of the devices can entail changes to the operating mode of a CATCenter. In order to prevent this, the operation mode of each CATCenter can be adjusted separately.

The following settings in the menu **Configuration** → **Cascade** are possible:

Auto:	CATCenter determines automatically whether it works in Master or Slave mode.
Master:	By using this operating mode you can only connect UCONs to the console-ports of the CATCenter. Editing the names of the attached targets is possible. Changed names are automatically updated on the slave devices within the cascade.
Slave:	By using this operating mode the change of names of the connected targets is not possible. The names of the targets are obtained automatically from the master CATCenter.

The current operating mode of a CATCenter is indicated at menu item **system information** (s. page 124) in the **View**-menu.

5.8.8 Establishing the System Name

This menu item is used to assign a name to a CATCenter. By default, this line contains the device ID of the CATCenter.

If there is only one CATCenter in your system structure, enter its name here.

If, on the other hand, your system structure is cascaded with at least two CATCenter systems, it depends if you want to edit this entry from the master or the slave:

- Access this menu from a console connected to the CATCenter master to assign a name for the master device.
- Access this menu from a console connected to a CATCenter slave to assign a name for the slave device.

To do so, use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard or the mouse to select the corresponding entry in the **SYSTEM CONFIG** submenu and then press **ENTER**. The entry in this field can now be overwritten. Pressing the **ENTER** key again completes data entry.

The settings established here can be seen in the following areas:

- **Target Info** submenu (see [Chapter 2.4.4](#))
- In the configuration software **CATCenter Xview**

Press **ESC** to exit the menu without saving the changes you have made. If you choose to do this, a warning message is displayed.

Warning	
You did not save your changes!	
Press	
F2	to save and exit
ENTER	to exit without saving
ESC	to cancel
F2 : Save and exit	ESC: Cancel
Enter : Exit without saving	

Press the **F2** key to permanently save your changes. This returns you to the **CONFIGURATION** menu

5.8.9 Expanding the System with New Functions

The CATCenter system can be adapted using functions, which are available at an additional charge. Currently, three components are available to you:

- **PUSH/GET Function:** Function component for 1 CATCenter cluster to push your own or to get other screen contents
- **TradeSwitching Function:** Function component for 1 CATCenter cluster to operate several UCON (screens / targets) with only 1 keyboard and mouse.
- **IP Switching:** Function component for client-side integration of the IP operation of a CATCenter X8 system (a system can consist of one or more clusters). This function includes the TradeSwitching function.

Feature Management	
System ID:	00001069
Enter new key:	[REDACTED]
PUSHGET	101a36605fh3
ESC	TAB

If you have purchased one of these three functions then a 12-digit alphanumeric activation code was provided to you with the function. To enter the activation code, use the **TAB** key to move to the "Enter new key" line and enter the code there. Once the activation code has been entered correctly, the function you have purchased is activated in the system and a corresponding entry appears in the list box of the **Feature Management** submenu.

5.8.10 Resetting the System to Default Values

Carrying out this function returns the device to the delivery condition.

The established passwords are also reset and any features that have been enabled are deactivated.

For the respective default settings, please see the illustrations of the individual menu windows in this manual.

Use the arrow keys to select the menu item **Set System Defaults**.

By pressing **ENTER**, the function is carried out and the following information window opens:

Confirm
Do you really want to restore system defaults? All your settings will be lost and the will system reboot!
ESC: Cancel
Enter: OK

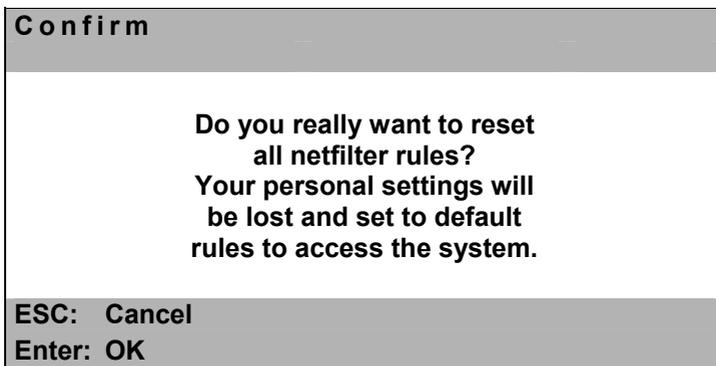
Confirm by pressing the **ENTER** key again. After a few seconds, the window switches to the **LOGIN** menu.

5.8.11 Reset Netfilter Configuration

Carrying out this function erases the netfilter rules established in the CATCenter. However, these rules are NOT defined in the CATCenter but are defined exclusively in the software CATCenter view.

After the **Reset Netfilter Configuration** function is carried out, no rules are active.

To do so, use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard or the mouse to select the corresponding entry in the **SYSTEM CONFIG** submenu and then press **ENTER**. A confirmation dialogue opens with the following text:



Press the **ENTER** key to confirm the deletion. Use the **ESC** key to cancel it.

5.9 Turn Targets On/Off using AdonIS – Required Configuration

This function is only available if a HardBoot CCX is connected.

In the **Power** submenu, you have to establish power management settings for every individual target.

The prerequisites for supplying power to the connected targets are:

- A HardBoot CCX must be connected to the front of the CATCenter via the RS232 interface.
- In the **SYSTEM CONFIG** submenu -> **RS232** (see [Chapter 5.8.5](#)), "HardBoot" has to be entered as the service.
- For all targets the CATCenter is to supply with power, at least one HardBoot must also be connected to the CATCenter. If a CATCenter slave is connected to the CATCenter master and the targets connected to this slave are to be supplied with power, a HardBoot to supply power to these targets must be connected to the CATCenter slave!

If you have established all settings for each target available on the CATCenter, you can use the function **TARGET POWER** (operation menu, see [Chapter 3.9](#)) to turn the power of the respective target selected in the **SELECT** menu on or off.

Up to three power sources can be connected for every target.

Proceed as follows for the configuration:

In the **CONFIGURATION** menu, use the arrow keys to select the menu item **POWER**.

Pressing the **ENTER** key opens a submenu that provides you with the following options:

Power Management	
Sort Alph+	Show All
CPU search:	
Accounting1	00000209
CPU-ID 000b020a	000b020a
Sales2	00000577
CPU-ID 0000sd94	0000sd94
F5: Edit power setting	
ESC	

You can change the sort order of the list field by modifying the entry in the **SORT** field. Press the **TAB** key to reach the **SORT** field. Use the **Spacebar** (toggle) to switch between the 5 entries:

- Alph+:** Ascending alphabetic sort of the targets
- Alph+on:**
 1. Ascending alphabetic sort of the connected targets and subsequently
 2. Ascending alphabetic sort of the unconnected targets
- Alph-:** Descending alphabetic sort of the targets
- Alph-on:**
 1. Descending alphabetic sort of the connected targets and subsequently
 3. Descending alphabetic sort of the unconnected targets
- ID:** Displays the physical name of the CATpro2

Press the **TAB** key to reach the **Show** field. Use the **Spacebar** (toggle) to switch between the 2 entries:

- "All"** means: All targets are displayed in the list field.
- "GRP"** means: Only groups are displayed in the list field.

The list field shows all targets connected to the CATCenter. The left column contains the current logical name of the respective target. This logical name can be edited (see [Chapter 5.3.1.1](#)). The right column displays the physical name of the target. The CATpro2 used to connect the target to the CATCenter assigns this name to the target. This name cannot be edited.

Press the **ESC** key to complete all editing tasks and return to the **CONFIGURATION** menu.

To assign the targets displayed in the list field to a HardBoot, use the **UP ARROW** and/or **DOWN ARROW** keys or the mouse to move to the desired entry and press the **F5** key. An additional menu opens.

Edit Power Settings			
CPU	0000209	CPU Accounting1	
LOC	00001664	Server room	
Hardboot	1	Port	2
Hardboot	2	Port	3
Hardboot	None	Port	None
ESC		F2: Save	

In the second line of the header, you will find the physical ID in the left column (as described above) and the logical name of the selected target in the right-hand column.

The third line displays the non-editable physical name of the CATCenter in the left column and the editable logical name in the right column (see [Chapter 5.8.8](#)).

All yellow entries in the list field are only editable when a HardBoot has been recognized on the CATCenter.

In the column "HardBoot", you define to which HardBoot the selected target is connected. The following selections are available:

- None No HardBoot is connected
- 1 – 16 Numbering of the available HardBoots Up to 16 HardBoot CCX can be cascaded; each one is assigned an address via a DIP switch.

In the column "**PORT**", you define on which CPU-Port the selected target is connected to the HardBoot. The following selections are available:

- None No HardBoot is connected
- 1 – 8 CPU port numbering on the HardBoot. Therefore, the first CPU port on the HardBoot is number 1, the second number 2, etc.

To save the settings, exit the menu with **F2**. Use the **ESC** key to discard the changes you have made. In both cases, you return to the **POWER MANAGEMENT** submenu.

5.10 Establishing and Editing Network Settings

In the **NETWORK** submenu, you can establish the network settings for your CATCenter X8. A submenu that allows you to establish the following settings opens when you press the **ENTER** key:

Network Management
Global
Network A
Network B
ESC

You can establish the following settings in this menu:

- The gateway used to access the CATCenter X8
- The IP addresses and Network A & Network B (found at the back of the CATCenter X8).

In addition, you can use this menu to access the toolware "CATCenter Xview" included in the scope of delivery (see the [CATCenter Xview Manual](#)).

Press the **ESC** key to exit this menu.

5.10.1 Gateway Definition

The standard gateway must be defined so that the CATCenter can be reached from all parts of more complex networks.

To do so, use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard or the mouse to select the entry **GATEWAY** in the **NETWORK MANAGEMENT** submenu and then press **ENTER**.

The following window opens:

Edit Network Global	
Gateway	192.XXX.XXX.XXX
ESC	F2: Save

Now enter the IP address of the gateway on the gateway row. To do so, use either the **right arrow / left arrow** keys or the **TAB** key to move to one of the four fields. Press the **ENTER** key to activate edit mode in each individual field; the font color changes to yellow.

All editing tasks carried out up to this point are saved by pressing **F2**.

Press **ESC** to exit the menu without saving the changes you have made. If you choose to do this, a warning message is displayed.

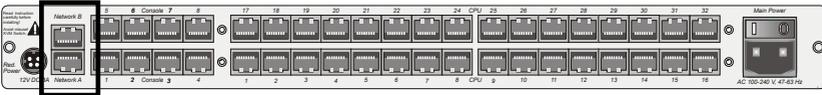
Warning	
You did not save your changes! Press F2 to save and exit ENTER to exit without saving ESC to cancel	
F2 : Save and exit Enter : Exit without saving	ESC: Cancel

Press the **F2** key to permanently save your changes. You then return to the **NETWORK MANAGEMENT** submenu.

5.10.2 Defining the Network Parameters for Network A or Network B

As a final network configuration step, unique settings (e.g. assignment of an IP address) have to be established for at least one of the network interfaces located at the back of the **CATCenter X8** so that the **CATCenter X8** can be reached.

The **CATCenter X8** has two network interfaces located at the back of the device.



Please note that the settings under "**Network A**" only affect the physical interface "**Network A**" on the **CATCenter X8**.

Since the settings for **Network A** and **Network B** are identical, these settings are explained below using **Network A** only.

To establish these settings, use the **UP ARROW** and/or **DOWN ARROW** keys on your keyboard or the mouse to select the entry **NETWORK A** in the **NETWORK MANAGEMENT** submenu and then press **ENTER**. The following window opens:

Edit Network A	
MAC address	00:0F:F4:00:00:18
Assignment	static
Address	192.XXX.XXX.XXX
Netmask	255.255.255.0
Connection	Auto
ESC	F2: Save

The second line of the header displays the MAC address of the network interface **Network A**. This cannot be edited.

Use the field **Assignment** to determine whether the CATCenter receives:

- A static IP address (static) or
- A dynamic IP address (DHCP) or
- No IP address (off)

Use the **Spacebar** (toggle) to switch between the 3 entries:

- **Static**
- **DHCP**
- **Off**

The two following entries are only available if you select the definition **Static**.

In the field **Address**, you can assign the static IP address for the CATCenter. To do so, use either the **right arrow / left arrow** keys or the **TAB** key to move to one of the four fields. Press the **ENTER** key to activate edit mode in each individual field; the font color changes to yellow.

Enter the network mask in the **Netmask** field. To do so, use either the **right arrow / left arrow** keys or the **TAB** key to move to one of the four fields. The default is 255.255.255.0. Press the **ENTER** key to activate edit mode in each individual field; the font color changes to yellow.

Establish the Ethernet connection speed and mode in the **Connection** field.

The following selections are available:

- Manually establishing the Ethernet connection speed and mode (**100MBit full-duplex, 100MBit half-duplex, 10MBit full-duplex, 10MBit half-duplex**)
- Allowing the network interface and its communication partner (2nd computer, hub, switch) to negotiate the speed (**Auto**)

Note:

The communication behavior can be negatively influenced by the use of various network components. Thus the setting "**Auto**" does not always achieve satisfactory results, depending on the manufacturer.

All editing tasks carried out up to this point are saved by pressing **F2**.

Press **ESC** to exit the menu without saving the changes you have made. If you choose to do this, a warning message is displayed.

Warning	
You did not save your changes!	
Press	
F2	to save and exit
ENTER	to exit without saving
ESC	to cancel
F2	: Save and exit
Enter	: Exit without saving
ESC	: Cancel

Press the **F2** key to permanently save your changes. You then return to the **NETWORK MANAGEMENT** submenu.

6 Information Menu (F12)

The **INFORMATION** menu contains information regarding the CATCenter being used. This menu is accessed using the following hotkey combination: **CTRL + NUM** (Default). Press the **F12** key in the window that opens.

The following areas can be accessed in the **INFORMATION** menu:

G & D		Information	
View system information			
View console status			
View system function keys			
Esc	Select	F9	Operation
F10	Pers.Profile	F11	Config

You can select from the entries displayed here using the mouse or the **UP ARROW** and **DOWN ARROW** keys on your keyboard. Confirm your selection using the **ENTER** key or by double-clicking.

You can access other main menus indicated below from the **INFORMATION** menu:

- ESC** Switches back to the **SELECT MENU**
- F9** Switches to the **OPERATION** menu
- F10** Switches to the **PERS. PROFILE** menu
- F11** Switches to the **CONFIG** menu

6.1 Requesting System Information

You cannot establish any settings in the **VIEW SYSTEM INFORMATION** submenu.

Here you can find information regarding the CATCenter that is important for our service technicians.

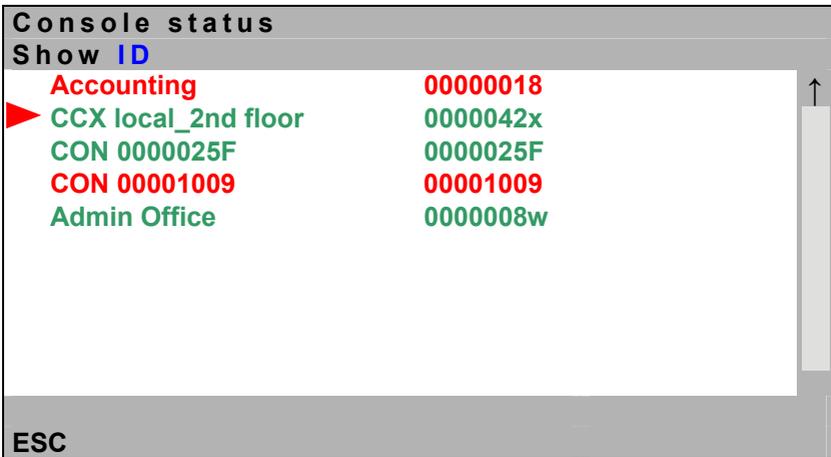
ESC closes the window.

6.2 Requesting the Console Status

In the **VIEW CONSOLE STATUS** submenu, you get an overview of the consoles that are currently accessing the CATCenter system.

You cannot establish any settings here!

The active consoles are displayed in green, the inactive ones in red.



The meaning of the columns within this window is as follows:

Column 1: In this column, a red arrow (▶) indicates on which console you are currently working.

Column 2: This column displays the logical name assigned to this physical console. In the default state, this name is the device ID of the UCON (or UCON-s or UCON-a)

connected to this console port. The console name can be edited (see [Chapter 5.6.1](#))

Column 3:

This column can show various information depending on the option selected. Which entries are displayed here depends on the selection made in the **Show** field:

Show ID

To access this field, press the **TAB** key. Press **SPACEBAR** to select the various entries. The following selections are available:

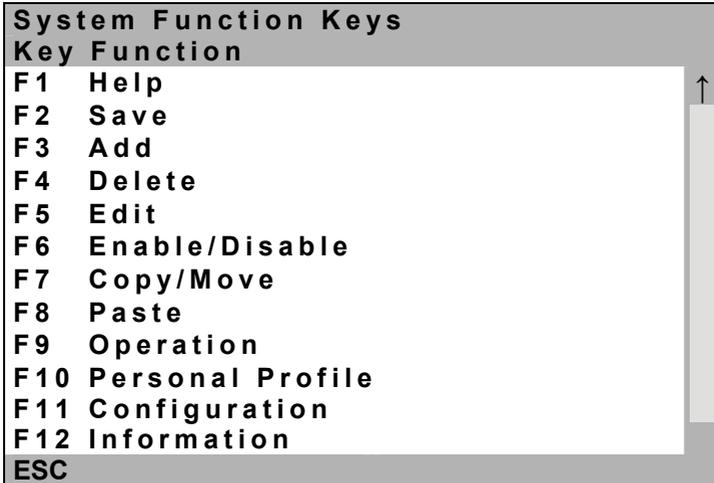
- **ID:** Displays the device ID of the connected UCON (UCON-s or UCON-a).
- **Port:** Displays the console port number to which the UCON is connected.
- **User:** Displays which user is working on which console (= UCON)
- **Target:** Displays the target currently being accessed by a console (= UCON).
- **Firmware:** Displays the firmware version used by the connected UCON.
- **Mode:** Displays the type of access granted to the consoles (= UCON) (standard or disabled).

ESC closes the window.

6.3 AdonIS F-Keys – Function Overview

You can see an overview of the system function keys by opening the SELECT menu by pressing **CTRL + NUM**, and then pressing the **F12**-Taste key.

In the menu that opens, select the **VIEW SYSTEM FUNCTION KEYS** submenu using the mouse or keyboard. The following submenu opens:



Key	Function
F1	Help
F2	Save
F3	Add
F4	Delete
F5	Edit
F6	Enable/Disable
F7	Copy/Move
F8	Paste
F9	Operation
F10	Personal Profile
F11	Configuration
F12	Information
ESC	

The **F-Keys F1 - F8** are global function keys and have the same function or meaning in all AdonIS menus you access, insofar as the function is supported by the respective AdonIS window.

The **F-Keys 9 - 12** are master function keys and are available in every AdonIS main menu (see [Chapter 2.5](#)).

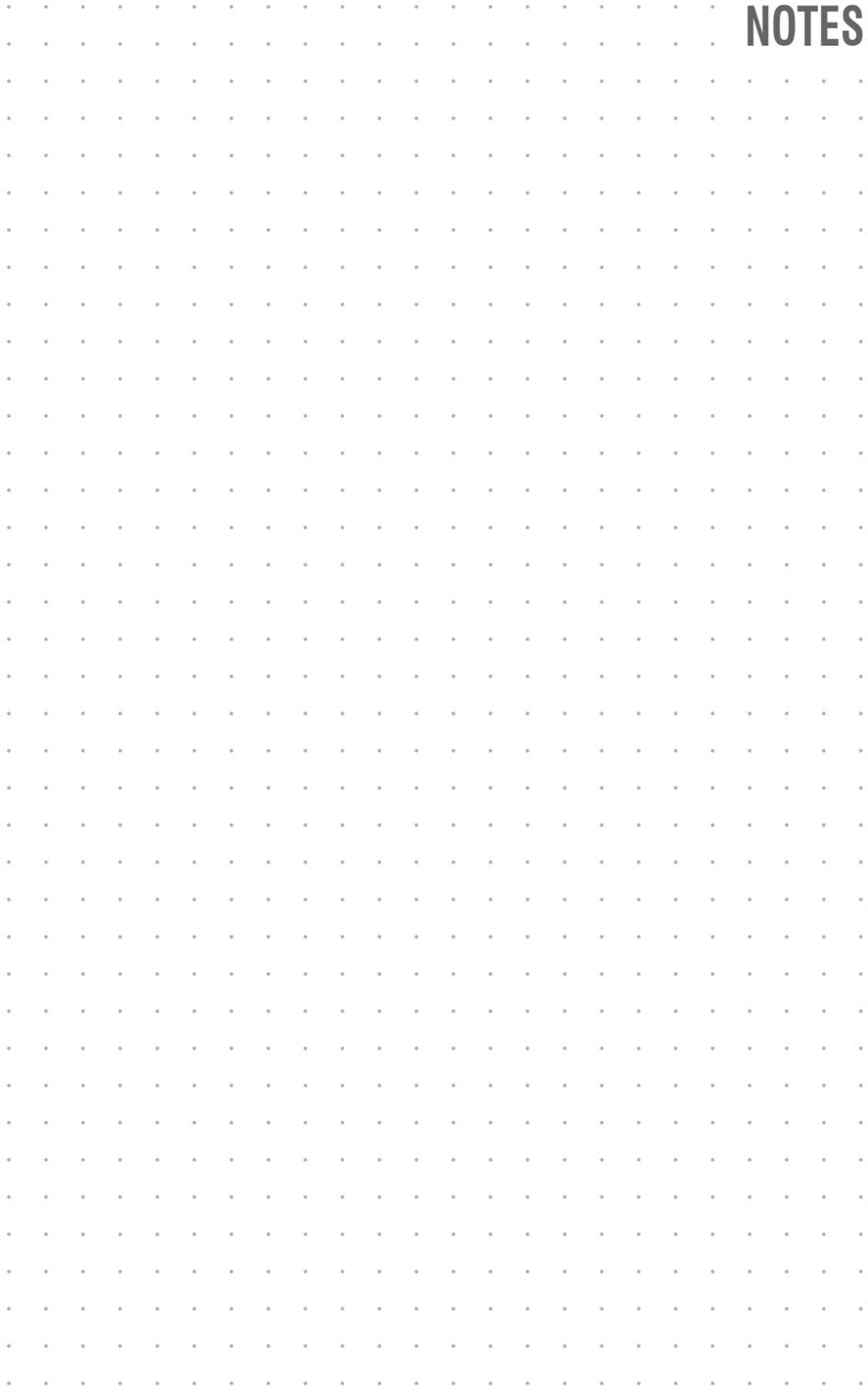
The assignment of the F-Keys is a factory default and cannot be modified.

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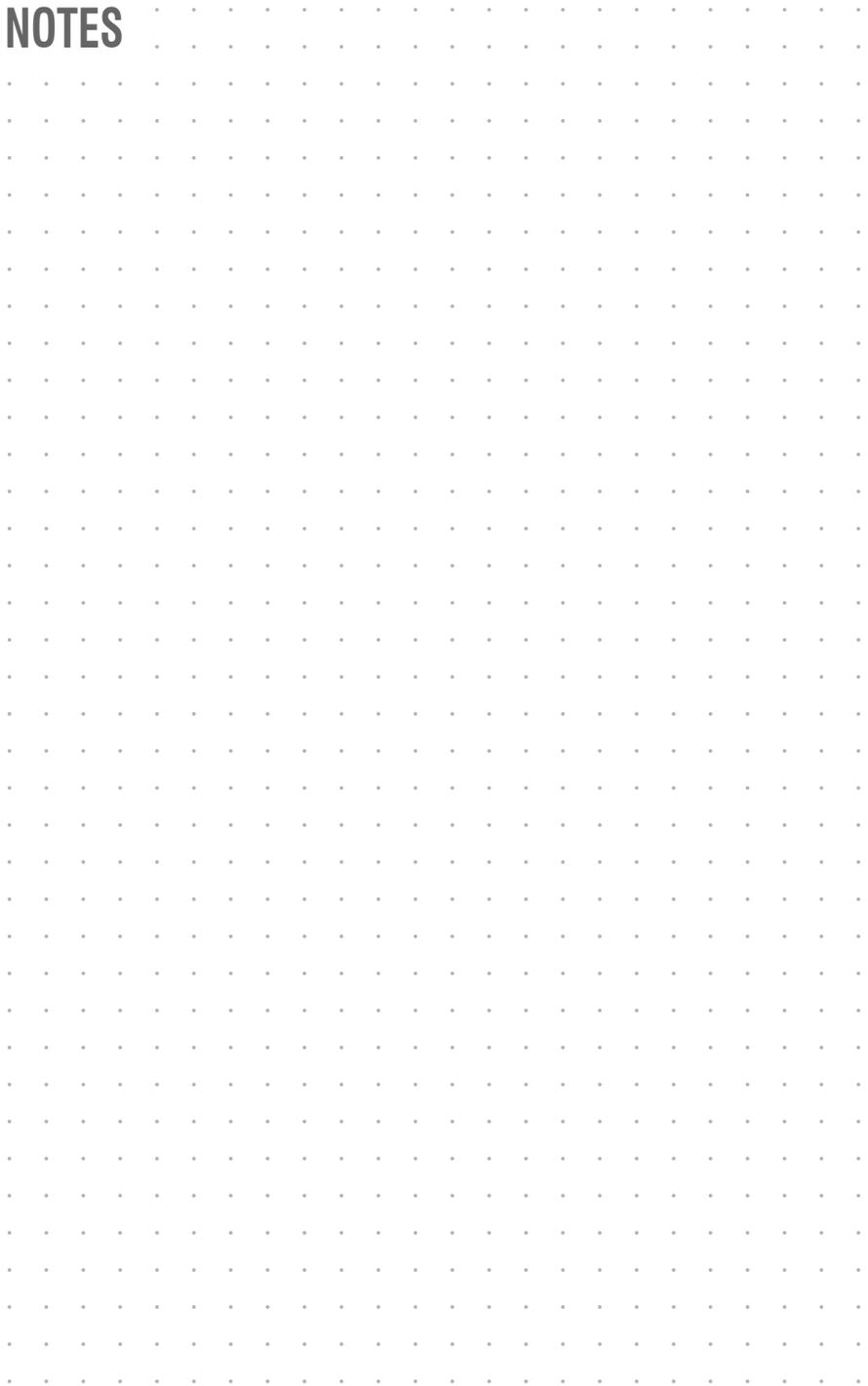
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Appendix: Administrator Password

For the open access, no name or password must be entered.

If you want to configure the system, you have to log in as an administrator!

The image shows a terminal window for the G & D CATCenter login. The window has a grey header bar with the text "Login" on the left and "Admin" on the right. Below the header, there are two yellow input fields. The first field is labeled "User name" and the second is labeled "Password". A callout box with the text "Admin" has an arrow pointing to the "User name" field. Another callout box with the text "4658" has an arrow pointing to the "Password" field. At the bottom of the window, there is a grey bar with the text "G & D CATCenter" in the center, "ESC" on the left, and "Enter" on the right. Below "G & D CATCenter" is the text "TAB".

Please note the upper/lower case letters.

Please make sure to remove this page from the installation manual!



The manual is constantly updated and available on our website.

<http://gdsys.de/A9200021>

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