

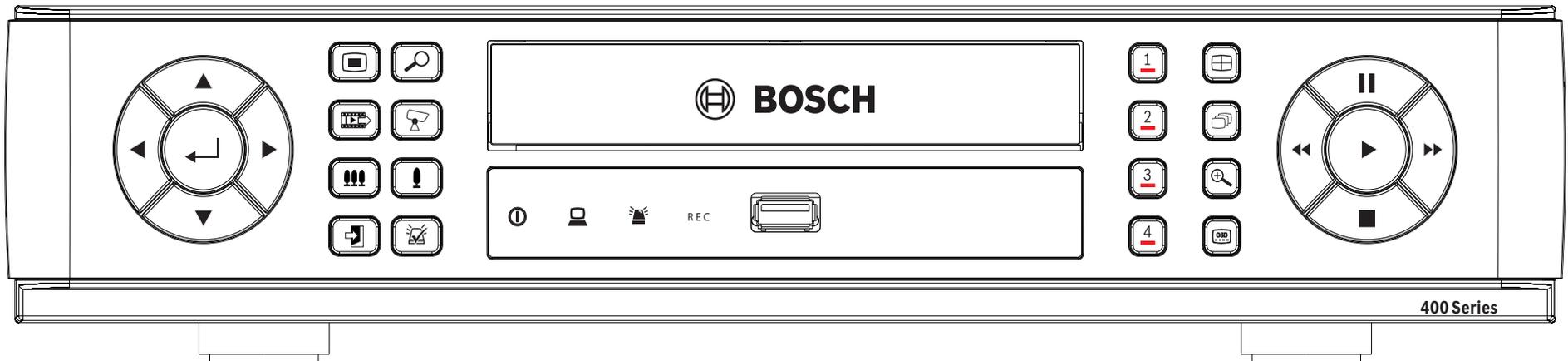
Video Recorder 400 Series

Four Channel Digital Video Recorder



BOSCH

Quick install



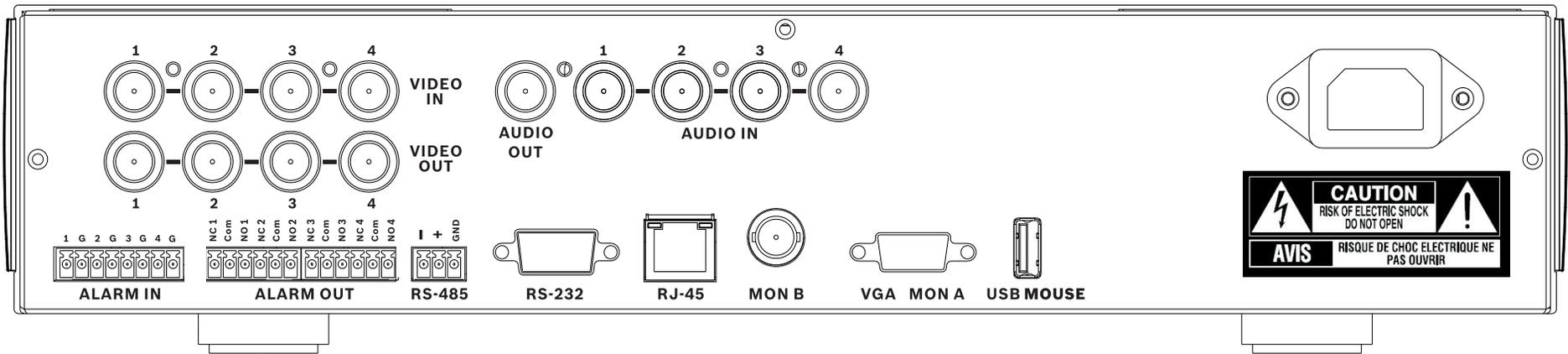


Figure 0.1 Advanced model

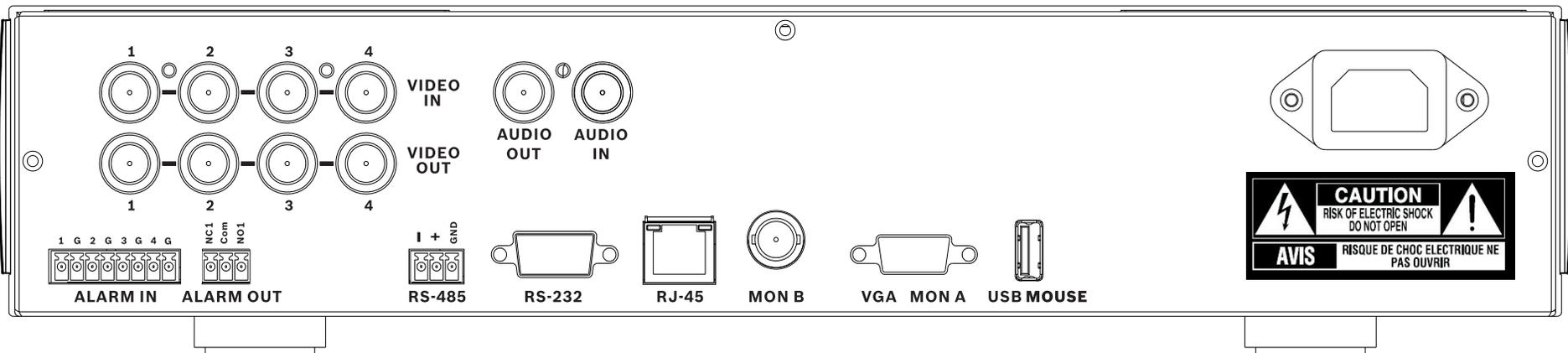


Figure 0.2 Basic model

Quick install

To get the unit quickly operational, make the connections described below and then enter the relevant data in the Quick install menu. The Quick install menu appears the first time the unit is started.

Connections

Primary connections

1. Connect the cameras to the **VIDEO IN** BNC connectors (automatically terminated).
2. Connect monitor A to the **VGA MON A** output (supporting 800x600, 1024x768, or 1280x1024).
3. Connect USB mouse to a **USB** port.

Optional connections

1. Connect monitor B to the **MON B** BNC connector.
2. Connect up to 4 audio signals to the **AUDIO IN** RCA (CINCH) inputs.
3. Connect the **AUDIO OUT** RCA (CINCH) output to the monitor or an audio amplifier.
4. Connect up to 4 **ALARM IN** inputs (via the supplied terminal blocks).
5. Connect up to 4 **ALARM OUT** outputs (via the supplied terminal blocks).
6. Connect a pan/tilt/zoom control unit to the **RS-485** port (via the supplied screw terminal block).
7. Connect to your network via the **RJ-45** Ethernet port.
8. Connect a "Bosch RS232 to Bi-phase converter" to the **RS-232** port if required.

Powering up

Switch on all connected equipment.

- Connect the power cord to the unit.

First-time use

The Quick install menu opens the first time the unit is used. Fill in the basic settings in the three tabs to get the unit operational. The unit begins recording automatically when the Quick install menu is closed.

To open the Quick install menu at any other time:

1. Press the menu  key to bring up the System Control Bar.
2. Press the menu  key again to enter the main menu.
 - The main menu appears on monitor A.
3. Select System, then the Configuration submenu, and finally Quick install.

Navigating

Use the supplied USB mouse. Alternatively, use the following front panel keys:

- Use the enter  key to select a submenu or item.
- Use the arrow  keys to move through a menu or list.
- Use the exit  key to go back or to switch off the menu.

After bootup, the unit presents the log in screen over a quad display. The default User ID is ADMINISTRATOR, the default password is 000000 (six zeros).

Quick install menu

The Quick install menu contains three tabs: International, Continuous Recording, and Network. Click the **Exit** button to exit the Quick install menu. Changing Quick install settings overwrites customized settings.

International

Language	Select the language for the menu from the list.
Time zone	Select a time zone from the list.
Time format	Select either a 12 or a 24 hour clock format.
Time	Fill in the current time.
Date format	Select from three date formats which show either the month (MM), the day (DD), or the year (YYYY) first.
Date	Fill in the current date.

Continuous Recording

Set the Continuous Recording Resolution, Quality, Frame rate, Covert, and Audio for each profile in the table.

Network

DVR name	Enter a DVR name to be used in the network.
DHCP	Enable DHCP to have IP address, subnet mask, and default gateway assigned automatically by the network server. The actual values are displayed.
IP address, Subnet mask, and Gateway	Fill in the IP, subnet mask, and gateway addresses when DHCP is disabled.

Operating instructions

Front panel controls

Keys

The keys on the front panel control all functions. Symbols on the keys show the functions. Inactive keys emit an audible beep when pressed.

Arrow keys:

- ▲ Up, ▼ Down, ◀ Left, ▶ Right
- move around through menu items or values when in menu mode
 - in PTZ mode, the arrow keys can be used to control the pan or tilt functions of the selected camera
 - moves the visible area of the selected image in digital zoom mode

- ↵ Enter key
- selects a submenu or menu item, or confirms selections made in menus
 - brings up the cameo submenu in full screen or quad modes

- ☐ Menu key
- opens the system menu

- 🔍 Search key
- press to open the date/time search menu to look for recorded images

- 📽 Export key
- press to open the export menu

- 📡 PTZ key
- enables or disables the PTZ mode

- 👤 Zoom out key
- PTZ zoom out key

- 👤 Zoom in key
- PTZ zoom in key

- ↶ Exit key
- press to return to previous level or to exit the menu system

- 🔔 Acknowledge key
- press to acknowledge an alarm event; an indicator light is located on the key

- 1 Camera keys (1-4)
- press to see a full-screen display of the video input
 - the LED will be illuminated when the camera is recording
 - the LED will flash during an alarm on the camera

- ☐ Quad key
- press to go to quad mode
 - in quad mode, press to toggle to full screen

- 📺 Sequence key
- view cameras in sequence on full-screen or quad displays

- 🔍 Digital zoom key
- zooms in on the active full screen camera display

- OSD OSD key
- press to view date/time and camera information, date/time only, or none

- ⏸ Pause key
- press to freeze the picture

- ◀ Reverse key
- in live mode, press to start reverse playback of recordings for the displayed cameras
 - in playback mode, press to start or speed up reverse playback
 - in pause mode, press to step back one frame

- ▶ Play key
- in live mode, press to resume playback from the last selected playback position
 - in pause or fast forward/reverse modes, press to resume playback

- ▶▶ Fast forward key
- in live mode, press to start playback from one minute earlier
 - in playback mode, press to speed up the forward playback rate
 - in reverse playback mode, press to start forward playback
 - in pause mode, press to step forward one frame

- Stop key
- while in playback mode, press to return to live mode

Indicators

The indicators on the front panel display light or flash to alert you of various operating conditions.

- 🟢 Power - lights green when the unit is powered
- 🟢 Network - lights green when a remote user is connected to the unit
- 🚨 Alarm - flashes red when an alarm is detected
- REC Record - lights red when the unit is recording video