GE
Security

TruVision DVR 10 User Manual

Chapter 3
Operating instructions

Control interfaces

The TVR 10 has three control interfaces:

- Built-in interface
- Display interface
- Web browser interface

Built-in interface. The built-in interface is displayed on the VBA monitor. It consists of a main menu and several dialog screens that let you configure and control the device. You can invoke the built-in interface using the front panel, remote control, or mouse.

Display interface. The display interface consists of various toolboxes that appear on top of the VBA monitor image. These let you control live or playback video while in PTZ or playback mode. You can invoke the display interface from the built-in interface screens or from the mouse menu. The controls in any toolbox can be operated using the front panel, remote control, and mouse.

Web browser. The Web browser interface uses Internet Explorer to simulate the display and control functions of the VGA monitor on a remote PC. The Web browser interface can only be invoked by a PC with Internet access.

Controlling the TVR 10

You can control the TVR 10 using:

- Front panel control

- IR remote control

- Mouse control

Front panel control. Use the directional arrow buttons to select a command, option, or button on a screen. Use the ENTER button to confirm a selection.

IR remote control. Use the directional arrow buttons to select a command, option, or button on a screen. Use the OK button to confirm a selection.

Mouse. Move the pointer to a command, option, or button on a screen. Click (with the left mouse button) to confirm a selection.

You can use your preferred control method for any procedure, but in most cases we describe procedures using mouse terminology. Optional control methods are given only when they differ substantially from mouse control methods.

Front panel overview

The buttons on the front panel control all DVR functions. The LED indicators light up or flash to alert you of various conditions. See Table 2 below for more information.

Figure 3: Front panel introduction
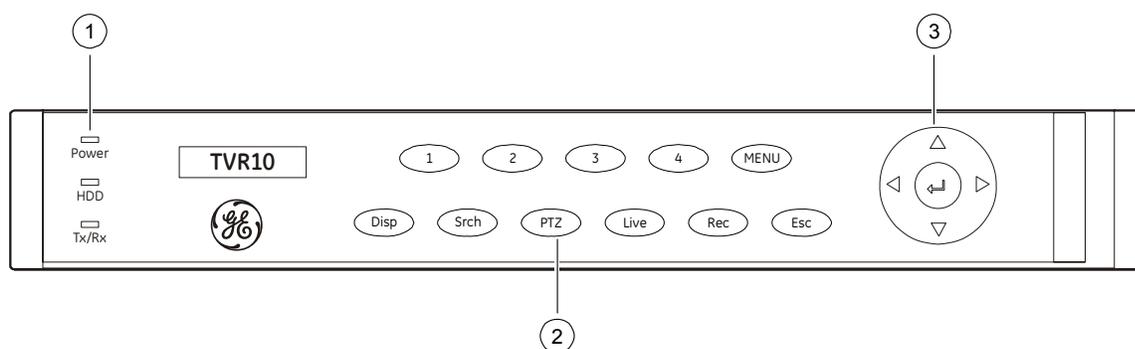
Table 2: Front panel legend

Item	Type	Name	Description
1	Status LEDs	Power	Green indicates the DVR is working. No light indicates the DVR is powered off.

Item	Type	Name	Description
		HDD	Blinking red indicates that video is being recorded. Solid red indicates that the hard drive has an error.
		Tx/Rx	Solid green indicates that the DVR is being accessed by Internet Explorer or Client Software. Blinking green indicates that data is being transferred between the DVR and Internet Explorer or Client Software.
2	Numeric buttons	1 to 4	Enter numbers from 1 to 4.
		MENU	Switches out of display mode to display the main menu.
	Function buttons	ESC	Cancels the current changes and returns to the previous screen or main menu.
		SRCH	Displays the Search screen to search for and play back recorded video.
		REC	Displays the Manual Record screen and options.
		PTZ	Enters PTZ control mode.
		DISP	Multiple screens display.
			Switch from the main menu to live mode.
		LIVE	Displays Camera 1 in live mode.
3	Directional controls	↑, ↓, ←, → (arrow buttons)	In menu mode, use the Left or Right Arrow buttons to select and the Up or Down Arrow buttons to edit.
			PTZ direction control.
			Playback speed control.
		ENTER (central button)	Confirms menu selections.
			Enters ✓ or × to enable or disable options.
			Pauses playback.

Using the mouse

Use the USB mouse provided with the TVR 10 to carry out the same operations as the front panel and remote control. The USB mouse lets you navigate and make changes to settings in the user interface.

Connect the mouse to the TVR 10 by plugging the mouse USB connector into the USB port on the back panel. The mouse is immediately operational. You can replace the standard mouse with a wireless mouse. However, the unit may not support all types of wireless mouse.

To use the mouse in live view:

1. Scroll forward and backward between cameras.

    When in full-screen view, use the scroll button on the mouse to scroll forward and backward through the cameras.

2. Double-click to toggle between full-screen and multiview.

    When in multiview, double-click a camera to display its image in full-screen view. Double-click again to return to multiview.

Mouse shortcut menu

To display the mouse control menu, right-click while in live view. The commands on this shortcut menu are shown in Figure 4 below. Table 3 below describes the commands.

Figure 4: Mouse shortcut menu
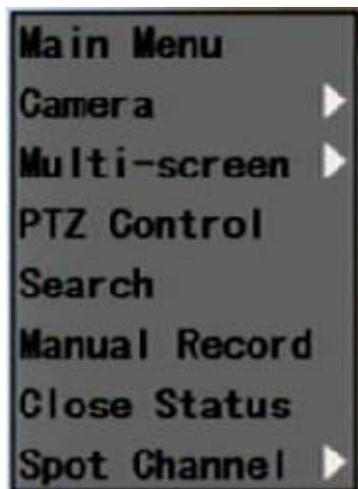
Table 3: Mouse shortcut menu commands

Command	Description
Main Menu	Displays the main menu.
Camera	Selects an individual camera.
Multi-screen	Selects multiview. The multiview options vary based on the number of cameras connected to the TVR 10. You can choose either a four-screen or single screen display.

Command	Description
PTZ Control	Controls a PTZ camera. Right-click to view the following options:
	Channel: Selects the camera to control
	Preset: Selects a preset number to use
	Exit: Returns to display mode
Search	Displays the Play Back screen. Lets you search for recordings using specific criteria such as by camera, type of event, time, and text.
	Right-click to return to display mode.
Manual Record	Displays the Manual Record screen.
Open/Close Status	Toggles the on-screen status bar on and off.
Spot Channel	Controls the spot monitor.

Using the IR remote control

Use the IR remote control to carry out functions similar to the front panel buttons.

Figure 5: Controls on the IR remote
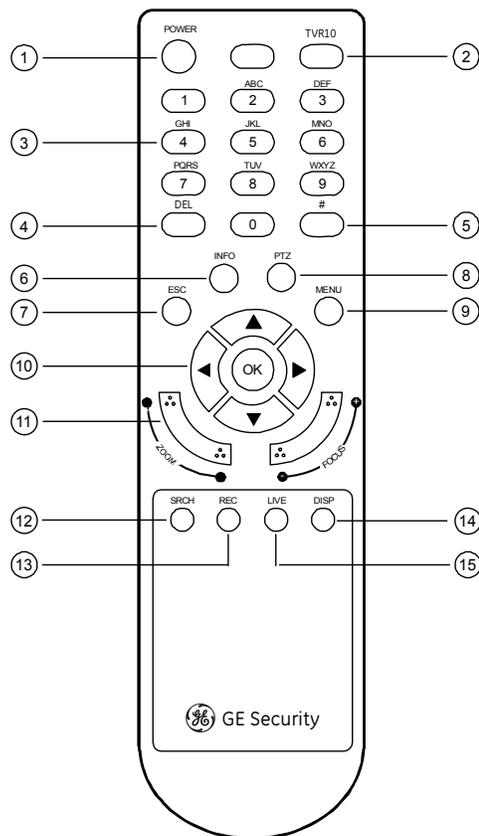
Table 4: IR remote control legend

Item	Name	Description
1	POWER	Turns off the device.
2	TVR 10	Enables the IR remote control to control the TVR 10.
3	Numeric buttons	Enter numbers, lower case or upper case letters, and symbols in edit mode.
4	DEL	Deletes an entry in edit mode.
5	#	Toggles between video inputs or video channels.
6	INFO	Reserved for future use.
7	ESC	Cancels and returns to the main menu.
8	PTZ	Enters PTZ control mode.

Item	Name	Description
9	MENU	Switches from live mode to menu mode and displays the main menu.
10	↑, ↓, ←, → (arrow buttons) OK (central button)	In menu mode, the Left or Right Arrow buttons select commands or options; the Up or Down Arrow buttons edit or select values. OK enters the selection or value. PTZ direction control. Playback speed control.
11	Lens control	FOCUS and ZOOM control for camera lens.
12	SRCH	Displays the Search screen to search for and play back recorded video.
13	REC	Displays the Manual Record screen.
14	DISP	Displays multiscreen. Switches to live mode.
15	LIVE	Displays Camera 1 in live mode.

To place batteries into the IR remote control:

1. Remove the battery cover.

2. Insert the batteries. Make sure that the positive (+) and negative (–) poles are correctly placed.

3. Replace the battery cover.

To connect the remote control to the TVR 10:

1. Turn on the TVR 10 and wait for the live video to appear.

2. On the remote control, press and release the Power button. The remote control is now operational.

To turn off the IR remote control:

1. Press the TVR 10 button while the IR remote control is still controlling the TVR 10.

To turn the TVR 10 off with the remote control:

1. Press and hold the POWER button for several seconds. A power off prompt displays.

2. Enter a password, if required.

3. Select Confirm then switch off the manual power located on the back panel.

Troubleshooting the remote control

If the IR remote control is not functioning properly, perform the following tests:

- Check the battery polarity.

- Check the remaining charge in the batteries.

- Check that the IR remote control sensor is not masked.

If the problem still exists, please contact your administrator.

Using the Web browser

The TVR 10 Web browser lets you view, record, and play back videos as well as manage all aspects of the TVR 10 from any PC connected to your network. The browser's easy-to-use controls give you quick access to all TVR 10 functions.

Figure 6: TVR 10 Web browser
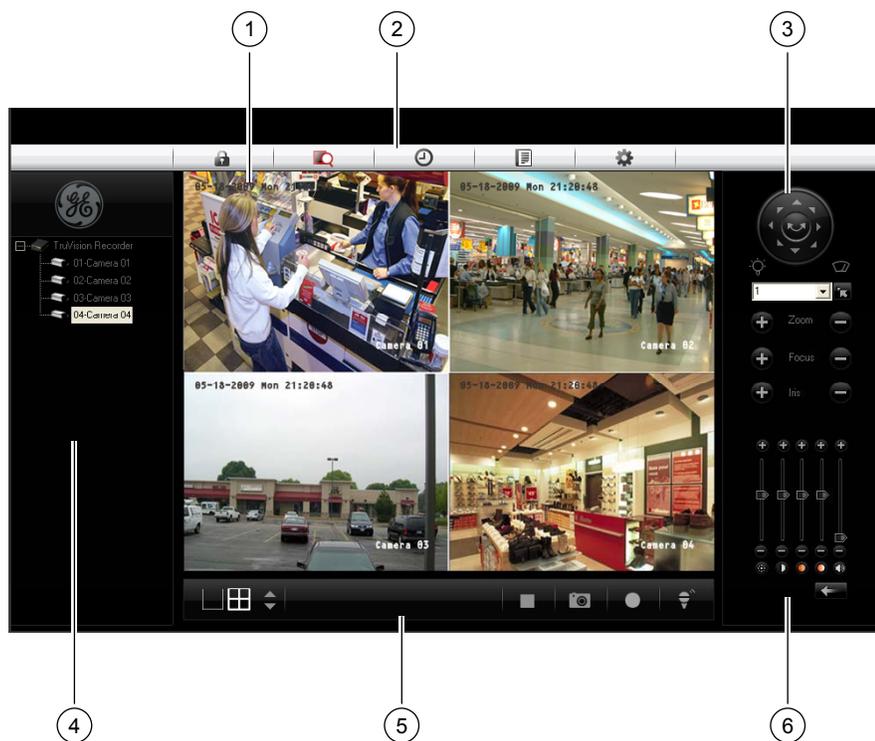
Table 5: Web browser interface layout

Item	Name	Description
1	Viewer	View live or playback video.
2	Navigation bar	Logs you out of the interface. Accesses live or playback video. Displays the TVR 10 logs. Configures the unit remotely.
3	PTZ control	Controls the PTZ functions of camera in live mode.

Item	Name	Description
4	Navigator	View video of the selected camera. Right-click the camera to set the viewing stream type (main stream or sub-stream).
5	Taskbar	Displays single or four-screen views. Selects multiscreen. Captures screen. Archives video. Lets you talk through a microphone to a speaker connected to the TVR 10 (bidirectional audio).
6	Video adjust	Adjusts video image such as brightness, saturation, hue, and audio volume. Restores default settings.

To access the TVR 10, open a Web browser and enter the IP address assigned to the TVR 10 as a Web address. In the login screen, enter the default user ID and password.

User ID: admin
Password: 1234

The Web browser uses the following ports:

Video Port: 8000
HTTP Port: 80

Searching recorded video for playback

To search for recorded video for playback, click the Playback button on the navigation bar. The Search screen displays. Select a play type and a file type in the appropriate boxes and specify a time range. Click the Search button (displayed as a magnifying glass) to start your search.

Search results display below your specified search criteria and are arranged by start time. Double-click a result item to play back video.

Playing back recorded video

Use the playback control bar, shown in Figure 7 below, to control playback video. The playback control bar lets you do the following:

- Control playback speed (fast forward, slow forward, and stop)

- Capture a screen image of the playback video

- Save a video segment onto your desktop

- Download recorded video to your hard drive

Figure 7: Playback control bar

To quickly archive a segment of a video you are playing back, click the Save button to begin archiving and click again to stop archiving. The resulting video file is saved on your desktop.

Click the Download button to download that video file into your hard drive.

Viewing logs

To view logs using the Web browser interface, click the Log button on the navigation bar. The Log screen displays. Use the filter boxes, located on the right of the screen, to narrow the list of logs by defining the event type and date range. Click the Search button (displayed as a magnifying glass) to begin your search.

Use the Save button, located at the bottom right of the screen, to save the log files on your hard drive.

Using the Web browser to configure the device

The Web browser lets you to configure the TVR 10 remotely using your PC. Click the Configure button to display the Remote Configuration screen. This screen lets you configure the server, network, cameras, alarms, and upgrade the firmware.

Setting the stream type

Video stream refers to the flow of network data between the device and the Web browser interface. The higher the stream type specified in the Web browser, the higher the video quality being viewed and recorded. When viewing video in a four-screen layout, data is being transferred into four different streams, which can overload a system with low bandwidth. We strongly recommend that you set your stream type to Sub-stream to avoid overloading your network.

To configure the stream type to sub-stream:

1. Click Configure on the navigation bar to display the Remote Configuration screen.

2. Click the Channel Configuration tab.

3. Select Sub-stream in the Type box.

4. Change the appropriate video quality settings.

   Note: We recommend that you do not change the frame type and iframe.

5. Click Save to save your changes.

Viewing video in sub-stream

To view video in sub-stream, right-click a camera in the Navigator and select Sub-stream. The camera displays video in sub-stream.

Main menu overview

The built-in interface includes a main menu with eight command buttons. Each command displays a screen that lets you edit a group of TVR 10 settings. The main menu is shown in Figure 8 below. Access to different option screens varies depending on your access privileges. Most screens are available only to system administrators.

The white frame surrounding a command button or option shows that the item is currently selected.

Figure 8: Main menu
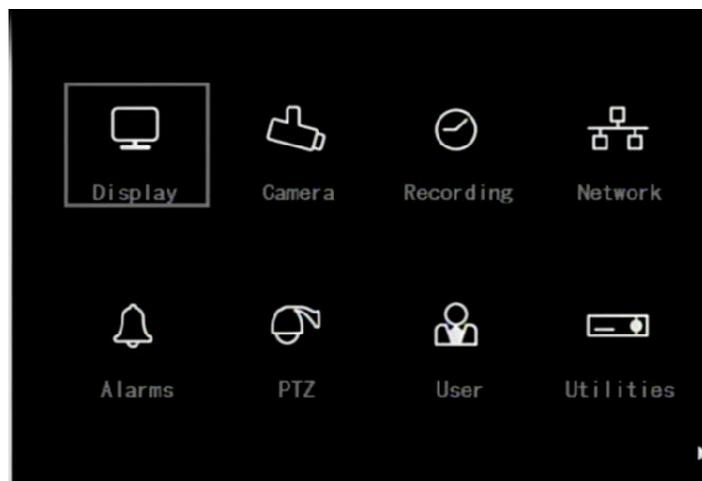
Main menu commands options

Table 6 on page 20 provides a list of controls and options available on each screen that you can access from the main menu.

Table 6: Menu commands and screen options

Main menu command	Dialog screen options	Main menu command	Dialog screen options
Display	Device ID Require password Menu timeout Video standard Enable scaler Menu transparency Date and Time Multi-Screen	Camera	Camera Camera title position Adjust video Time and date display Motion detection Advanced settings Copy to camera
Recording	Record mode Camera Stream type Resolution Frame rate Bit rate Record schedule Pre-event time Post-event time Copy to camera	Network	IP address Subnet mask Gateway Port HTTP port Advanced settings PPPoE DDNS
Alarms	Alarm input Input type Alarm handling, policy, and PTZ linkage Alarm rules / PTZ Copy to alarm in Alarm out Duration Alarm out time Copy to alarm out Notifications	PTZ	Camera Baud rate Data bits Stop bits Parity Flow control Protocol PTZ address Preset Preset tour Shadow tour Copy to camera
User	Add/Delete Password/Verify Default privileges Set Privileges	Utilities	System information View log Alarm output Hard disk Firmware upgrade Factory defaults Reboot Power off

Using the main menu

Click a command on the main menu to display the related screen. Alternatively, you can use the Up or Down Arrow buttons to select a menu command or screen option, and then press the ENTER or OK button to confirm the selection.

Table 7 below shows the front panel buttons you can use to display the main menu or various dialog screens.

Table 7: Main menu display

Button	Action
MENU	Display the TVR 10 main menu
SRCH	Display the Play Back screen
REC	Display the Manual Record screen
PTZ	Display the PTZ interface

Note: You must enter a user name and password to display the main menu. The default user name is "admin" with a password of "1234".

Navigating through dialog screens

Each dialog screen includes various options and buttons as seen in Figure 9 below. The frame surrounding an option or button indicates that this option is currently selected.

Use the mouse to select any option or button on the screen. You can also use the directional arrow buttons (Up, Down, Left, or Right) to navigate through the options. Changes to screen settings can be entered in various ways as shown in Table 8 on page 22.

Figure 9: Camera input adjustment

Table 8: Types of control on the screen

Control	Description
Check box	Provides two values: ✓ indicates enabled and × indicates disabled. You can click the check box or use the ENTER or OK button to switch between values.
List box	Provides more than two values for the option. Only one of them can be selected. Click the scroll arrows at the right-hand side of the box to scroll through the possible values. You can also use the Up or Down Arrow buttons to select a value. For example, the Camera option is a list box that lets you select the camera you want to work with.
Edit box	Lets you enter characters. For more information, see "Using an edit box" below.
Command button	Triggers a special function or lets you display another screen. For example, click the Rules button to display the Rules screen. Click the Confirm button to save your settings and return to the main menu. Click the Cancel button to abandon any changes made on the screen and return to main menu. Command buttons that are unavailable are displayed in gray. They must be enabled before you can click them.

Using an edit box

An edit box lets you type characters to set the value of an option, such as a camera name. You must be in edit mode before you can enter a value.

Note: A full range of alphanumeric characters is only available when using the mouse or remote control.

To enter text in an edit box using the mouse:

1. Click anywhere within the edit box to enter the edit mode and display a virtual keyboard.

2. Click to enter the desired characters into the edit box.

3. When you're finished, click the edit box to accept the value you've entered.

To enter text in an edit box using the remote control:

1. Press OK to enter the edit mode.

2. Press # to select the format and type of character you want to enter.

    While in edit mode, the status bar on the bottom left of the screen displays which type of character will be entered. For example, the figure below indicates that characters will be entered in uppercase.

    Options include number, uppercase, lowercase, or symbols. There are 24 different symbols to select. Press 0 to scroll between four pages of symbols.

3. Enter your characters.

Use the numeric buttons on the remote control to enter characters. Press the numeric buttons repeatedly to cycle through different characters available for that button. The character format and type depends on the value you selected in step 2. Use the Left or Right Arrow buttons to move the cursor within the edit box. Use the DEL button in the remote control to delete the character left of the cursor.

4. Press OK to accept the value you've entered, or ESC to exit from the edit box without saving any changes you've made.

Exiting the main menu

Right-click and then click Camera or Multiview to exit the main menu and return to live mode. Press ESC on the front panel or remote control to exit the main menu and return to live mode.

Chapter 4
Basic operation

Turning on the TVR 10

Before turning the TVR 10 power on, make sure that the power supply matches that of the TVR 10 and the AC adapter is connected correctly. Connect at least one monitor to the video out or the VGA interface. Otherwise, you will not be able to see the user interface and operate the device.

To turn the TVR 10 power on:

1. Connect power supply correctly.
2. Switch on the manual power button on the back panel. Once the TVR 10 is powered, the POWER LED should light up in green.

Live mode

The TVR 10 automatically enters into live mode once powered on. On the display screen, you can see date, time, and camera name. To change the camera name, refer to "Camera name" on page 47. To set system the date and time refer to "System date and time" on page 60.

While in live mode, the TVR 10 also displays the status icon of each camera as shown in Figure 10 on page 26.

Figure 10: Recording status

Camera status

Each icon represents a camera. The icon color shows the camera status. Table 9 below gives the status color code..

Table 9: Camera status

Icon	Color	Status description
⚪	White	No video signal
🟡	Yellow	Standby recording (when recording upon alarm and/or motion)
🟢	Green	Recording
🔵	Blue	Motion detection
🔴	Red	Alarm

Activating/deactivating the on-screen status bar

Mouse	Right-click to open the mouse menu, and then click Status Bar.
Front panel/remote control	Press # to activate or deactivate the status bar.

Cycling through camera views

Right-click and then click Camera or press the numeric buttons to switch to an individual camera display. For example, you can press 2 to view the second camera.

Press DISP to manually toggle through single camera and four-screen views . The single camera display reverts back to camera 1 when switching to single view. You can set the auto live mode on the Display menu.

Viewing in multiscreen

Mouse	Right-click to open the mouse menu, and then click Multi Screen. Select the desired display layout. You can select either a four-screen or single screen view.
Front panel/remote control	Press DISP to switch to multiscreen display viewing.

Connecting the spot monitor

To connect the spot monitor:

1. Connect Video out 2 with the spot monitor by a cable.

2. While in live mode, right-click and click Spot Channel.

3. You now have access to the secondary monitor.

   Note: Make sure that there is video signal input; otherwise the spot monitor will only show a blue screen.

Logging on

The TVR 10 is shipped with one predefined user for the system administrator. The default system administrator log on uses "admin" as a user name with a password of 1234. You can modify the admin password but not the admin user name. We recommend that you change the admin password once you have completed the installation and setup to protect against unauthorized access. The administrator can create up to 15 users and define their privileges. For more information, see "User settings" on page 41.

Figure 11: Login screen
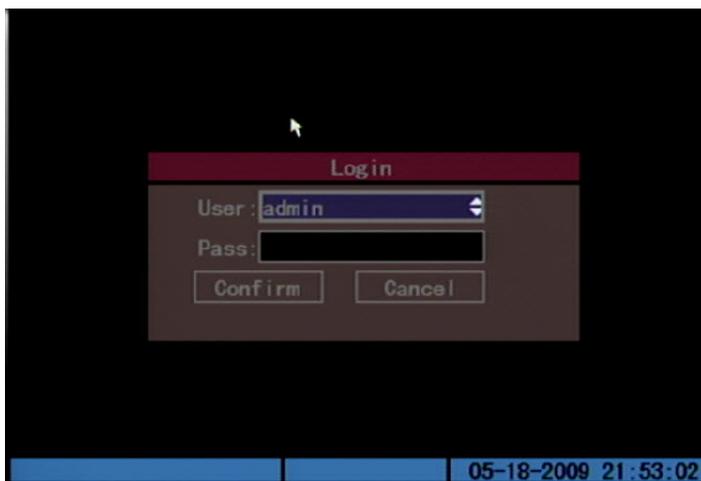
To log on to the TVR 10 user interface:

1. In the User box, select a user.

2. Enter the corresponding password in the Password edit box.

3. Click Confirm to enter the main menu.

   If there is no response, it means the user name and password are not matched. The TVR 10 will enter the live mode if you enter unmatched logon credentials three times.

Controlling a PTZ camera

The PTZ control interface lets you control the PTZ operation of the cameras within the TVR 10 user interface. You can control PTZ cameras using the buttons on the front panel and IR remote control as well as utilizing the PTZ control icons accessed with the mouse. To display the PTZ control interface, the user must have PTZ control access privileges.

Displaying the PTZ control interface

While in menu mode, right-click and then click PTZ control to display the PTZ control interface directly. Select a user name and type the correct password in the Login screen. The PTZ control interface displays as shown in Figure 12 on page 29. You can adjust the position of the current camera display on the screen.

Figure 12: PTZ control interface

Selecting a camera

When in PTZ control mode, press the numeric buttons to select a camera. For example, press the number 2 button to select the second camera PTZ.

After selecting the camera PTZ, you can use the control buttons to control the PTZ.

PTZ control buttons description

Table 10 below provides descriptions of the PTZ control buttons.

Table 10: PTZ control buttons description

Button	Description
Up, Down, Left, Right Arrow buttons	Pans left and right. Tilts up and down.
ZOOM+, ZOOM-	Zooms in and out.
FOCUS+, FOCUS-	Focuses in and out.
IRIS+, IRIS-	Opens and closes the iris controls.
REC/SHOT	Calls up a preset position. This feature is camera and protocol-specific.
PLAY/AUTO	Calls up auto panning.

Calling up a preset PTZ position

There are several ways to call up a preset position.

Front panel	Press PTZ to enter PTZ mode. Press REC and enter a preprogrammed three-digit preset number. Preset starts immediately.
	If you enter a one or two-digit number, depending on your TVR 10 model, you will change the selected camera.
	This function is only available if the mouse is not connected to the TVR 10.
Remote control	Press PTZ to enter PTZ mode. Press SHOT and enter a preprogrammed three-digit preset number. Preset starts immediately.
	If you enter a one or two-digit number, depending on your TVR 10 model, you will change the selected camera.
	This function is only available if the mouse is not connected to the TVR 10.
Mouse	Right-click and select PTZ control to enter PTZ mode. Right-click again and select Preset. Select one of the preset numbers listed.

PTZ preset numbers are preprogrammed.

When you exit PTZ control mode, the camera stays at the current position.

Note: The PTZ preset position must already be configured. Refer to "PTZ settings" on page 76 for more information. You can define up to 128 preset positions.

Exiting PTZ control mode

Press ESC or ENTER to exit and return to the live mode.

Manual recording

When a camera is recording, its corresponding LED on the front panel lights up in green. This green LED is also lit when recording manually. Start or stop a camera recording by pressing the REC button and entering the Manual Record menu.

Note: You must have access privileges to enter the Manual Record dialog screen.

Manual Record screen

To enter the Manual Record screen while in live mode, press REC and enter your user name and password if requested.

Figure 13: Manual Record screen

The controls and options available on the Manual Record screen are described in Table 10 below.

Table 11: Manual Record controls and options

Option	Description
Camera	Lists the number of cameras the TVR 10 has.
Status	Camera work status has four values: • Gray indicates the camera is idle. • Green indicates the channel is recording (including real time recording, alarm recording, motion detection recording). • Red indicates network transmission. • Orange indicates both recording and network transmission.
Start/Stop	The checkmark indicates you can start recording on the corresponding channel . The X mark means you can stop recording.
Start All	Starts recording on all channels.
Stop All	Stops recording on all channels.

Manually starting or stopping a recording

This section describes how to manually start or stop a recording.

To manually start or stop a recording:

1. Right-click and then click Manual Record to display the Manual Record screen. Alternatively, press the REC button on the front panel or remote control.

2. Enter your user name and password if requested.

The Manual Record screen displays listing all cameras. The camera status line shows which cameras are currently recording.

3. Click the camera's Start/Stop line to begin the recording. A checkmark appears on that camera's Start/Stop box.

4. Select the next camera you want to start or stop recording. Repeat step 3.

5. To select all cameras for recording, click Start All.

    All camera status LEDs on the front panel and the on-screen camera status icons on the status bar turns green.

6. Click Stop All to stop recording for all cameras.

7. Right-click or press ESC to save changes and return to the live mode.

Playing back video

The TVR 10 lets you play back recorded video. This section describes the features and methods in playing back video.

Play Back screen

The Play back screen lets you search and view recorded video. You must be in live mode to view video. Search for recorded video using different criteria including:

*   Motion detection, alarm, or manually recorded files

*   Start and end time of recording

Note: You must have access privileges to enter the Play Back screen.

See Table 12 on page 33 for a description of the Play Back screen controls and options.

Figure 14: Play Back screen

Table 12: Play Back controls and options

Option	Description
Cam	Selects a specific camera.
Search for	Specifies a recorded file type. The file type options include: All, All Time, Motion Detect, Alarm, and Manual.
Time	Specifies a start and end date/time to conduct a search based on a recording period.
Search	Begins your search. If there are no files that match your search criteria, a corresponding screen displays.
Play	Plays back the recorded stream directly based on the time section.
Page No.	Selects a page. In the file list box, each page can only display eight files. If more than eight files match, you can select a page to list other files. 500 pages (4,000 files) can be searched at one time. You can use numeric buttons or the Up or Down Arrow buttons to select page.
File list box	Lists the matched files. File started time and size are displayed in the list box. You can use the Up or Down Arrow buttons to move the scroll bar to select a file.
Media	Selects a device (media) to backup your recorded files. You can select USB flash, USB HDD, or USB CD/DVD drive to backup the files or clips.
Archive	Starts backup.
Archive Today	Backs up all recorded files from today.

Searching for a recorded video

Prior to playing back a recorded video, you must first search for the video files you want to play.

To search for recorded video:

1.   Right-click and click Search in live mode or press PLAY on the front panel or the remote control.

2.   If requested, enter your user name and password. The Play Back screen displays.

3.   Select the camera you want to search video from in the Camera list box.

4.   Select the file type of recorded video you want in the Search For list box.

5.   For recording periods, enter the start and end dates as well as times in the Time edit boxes.

6.   Click Search to begin the search.

A list of files displays once the search is completed. The list may extend to several pages. The files are listed by date, with the most recent file listed first.

7.   Right-click or press ESC to quit playback and return to live mode.

Searching for motion detection video

When searching for motion detection video, if you select Always on the Rec Type box in the Recording Schedule screen, you will not receive any motion detection results. To search for motion detection video, select Motion, Motion or Alarm, or Motion and Alarm on the Rec Type box in the Recording Schedule screen. For more information, see "Defining a recording schedule" on page 65.

Playing back a recorded file

Once you have found the video files using the Play Back screen, you can view video in several different ways:

*   Click the Play button. The system starts playing each listed file.

    — or —

*   Click a video file in the File List box or select the file and press the ENTER button. Only the selected file is played.

While playing back a video, an information bar displays the following information as shown in Figure 15 on page 36:

*   Volume

*   Play progress

*   Play speed

*   Played time

*   File total time

Table 13: Playback interface options

Option	Description
MENU	Displays or hides the information bar.
PLAY	Turns the sound on or off.
Right or Left Arrow button	Adjusts the play progress by percentage (%).
Up or Down Arrow button	Adjusts the play speed: Normal speed is "1x." Use the Up Arrow button to increase play speed (2X, 4X). Use the Down Arrow button to decrease play speed (1/2X, 1/4X, 1/8X and single)
ENTER	Pauses or continues playback. If playing video in frame by frame, use this option to play one frame.
PTZ	Press once to copy the segment and again to stop. You will need an external backup device to store the segment in.
ESC	Exits the interface.
SRCH	Mutes audio.
REC	Zooms video.

Note: Performance of playback speed may decrease depending on how much information the TVR 10 is processing.

Exiting playback

There are several ways to exit the playback interface depending on the screen or operating mode you want to access afterwards.

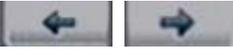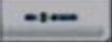|	
ESC	Takes you to live mode
MENU	Takes you to the main menu
REC	Takes you to the Manual Record screen
PTZ	Takes you to PTZ control mode

Playing back video with a mouse

Playing back video with a mouse provides you with an additional playback control bar as shown in Figure 15 on page 36.

Figure 15: Playback control interface

Table 14: Playback control bar description

Control	Name	Description
	Skip reverse/forward	Skips backward or forward 3% each time.
	Fast forward/ Slow forward	Adjusts the play speed: Normal speed is "1x." Use the Up Arrow button to increase play speed (2X, 4X). Use the Down Arrow button to decrease play speed (1/2X, 1/4X, 1/8X and single)
	Pause	Pauses the video.
	Audio	Toggles between mute and sound. Click once to mute the video. Click again to recover the sound.
	Copy	Copies a video segment. Click once to start the copy. Click again to stop.
	Hide Status	Hides the control bar. Right-click your mouse and click display to display the control bar again.
	Search	Triggers a rectangle area on the screen to zoom into. Use the left mouse button to drag a rectangle around the area, and then double-click to zoom into that area. Click again to return to the playback interface.
	Toggle camera	Switches to the next or previous playback cameras. These options are irrelevant if you only recorded using one camera at that time.

Archiving recorded files

Archive recorded files using an external device. You can also archive specific incidents in a file. You must be in live mode to play back a recorded file.

You can insert a mini-USB hub to the USB port to attach a mouse for navigation and a USB drive for archiving. However, the unit may not support all types of USB hubs.

Note: You must have playback privileges to play back recorded files. Avoid moving the external recording device when backing up information onto it.

Archiving the day's recorded files

Use the Archive Today option on the Play Back screen to archive all the day's recordings. A dialog box displays the backup status.

If the external device is not connected correctly or the TVR 10 does not detect the external device, an alert dialog displays. Please alert the administrator if this occurs.

Archiving recorded files from a file list

You can also archive recorded files displayed in the File List box.

To archive files from the File List box:

1. Search for recorded files.

    For more information on searching for recorded files, see "Searching for a recorded video" on page 33.

2. Select the files that you want to back up.

    In the file list box, click the file you want to archive. The checkmark symbol indicates a selected file. Select additional files you want to archive. You can use the Up and Down Arrow buttons to move through the files as shown in the figure below. Press ENTER to select the file you want to archive.

3. Use the Media box to select the backup device you want to use.

4. Click Archive to start the archiving process.

    When the archiving starts, a corresponding message box displays, indicating the status. If the selected files exceed the capacity of your storage device, an error message displays.

Archiving a video segment

While playing back a recorded file, the TVR 10 lets you archive a specific segment of the video you are watching.

To back up image segments during playback:

1. Enter the playback interface by selecting a recorded file. For more information, see "Playing back a recorded file" on page 34.

2. While the video is playing, press PTZ to begin recording the video, and press PTZ again to stop recording. A video segment is created.

3. You can repeat step 2 to create additional segments. You can generate up to 30 additional segments.

4. After all segments have been created, press ESC. A confirmation message window displays. Press Confirm to begin archiving the selected segments. Press Cancel to abort the archive process.

Playing back the archived files

Use the standard file player software to play back the video segment on your PC.

Turning off the TVR 10

To turn off the TVR 10:

1. On the main menu, click Utilities, and then click Power Off.

    — or —

    Press and hold the Power button on the remote control for at least five seconds. Enter a user name and password if required.

2. Wait 10 seconds then turn off the power switch located on the back of the unit.

Chapter 5
Advanced setup

This chapter covers the advanced setup of your TVR 10. Only users with appropriate access privileges can define and modify advanced configurations. When the following settings are modified and saved, you will be prompted to reboot the TVR 10 in order for the new settings to take effect. You do not need to reboot the device for any other configurations.

- Any network configurations
- Resolution and record schedule
- External alarm sensor type
- View tampering alarm schedule
- Video loss alarm schedule
- Motion detection alarm schedule
- External alarm schedule
- Alarm output schedule

User settings

The TVR 10 is shipped with one predefined user for the system administrator. The default system administrator log on uses admin as a user name with a default password of 1234. You can modify the admin password but not the admin user name.

The administrator can create up 15 users and define their privileges. When new users are added to the list, the administrator can define individual passwords or each user can use a default password.