

DynaGuard™ 200 Series DVR Quick Installation Guide

Package Content

Inspect the packaging carton. Make sure your DynaGuard™ 200 series DVR is properly delivered. Remove all items from the box and make sure the box contains the following items.

DynaGuard™ 200 series DVR



Power cord



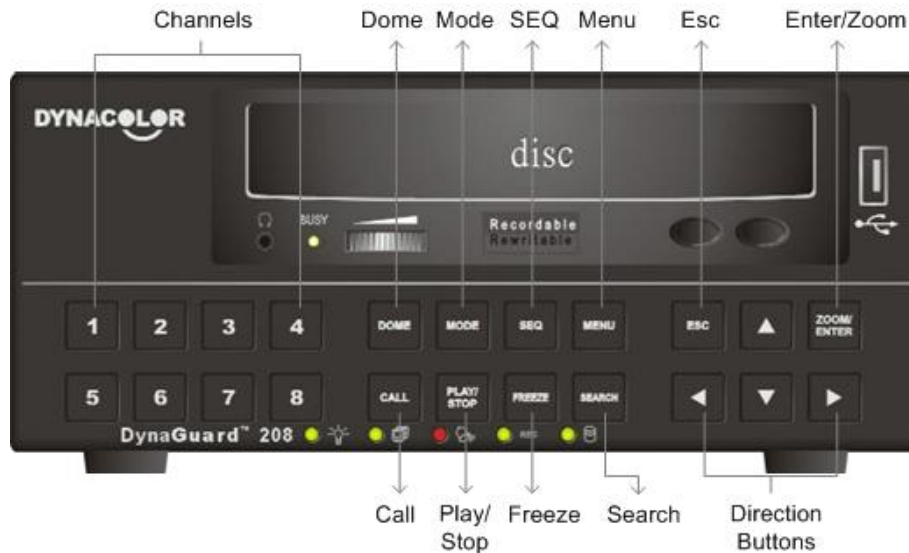
Blank CD-RW



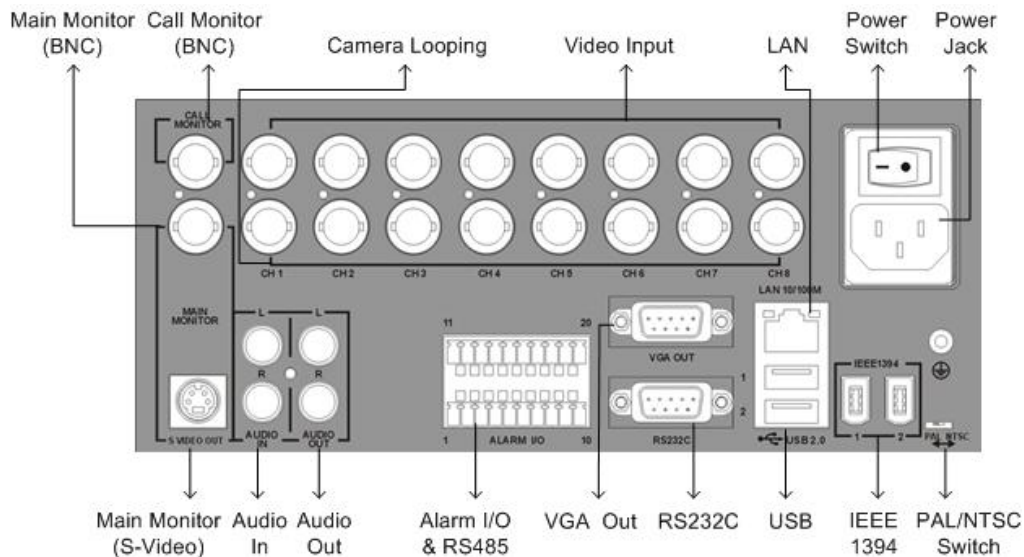
User's manual



Function Keys on the Front Panel



Connecting Your DVR



Connector	Description
Main Monitor (S-Video / BNC / VGA)	S-Video, BNC and VGA output connectors are offered for connecting to a main monitor.
Call Monitor (BNC)	The call monitor is used to display full screen video of all installed cameras in sequence. The BNC Call Monitor connector allows user to connect the DynaGuard™ 200 series DVR with an optional call monitor.
Video Input	4 or 8 BNC connectors are offered for video input streams from installed cameras. The number of connectors is equal to the number of channels.
Camera Looping	Plenty of BNC connectors are positioned on the rear panel for looping out the video input. The number of these connectors is equal to the number of channels.
LAN Connector (RJ-45)	The DynaGuard™ 200 series DVR is capable of networking. The LAN port opens the door of DVR to Ethernet where by the Internet.
Power Jack	The DynaGuard™ 200 series DVR has a AC power connection jack. Please connect the power supply that ships with the unit. NOTE: Use of other power supply may cause overloading.
Power Switch	Used to power up and shut down the unit.
Audio In / Out	Audio In RCA connector is offered for connecting an audio source device to the unit; Audio Out RCA connector is offered for connecting an audio output device to the unit.
Alarm I/O & RS485	The unit provides an alarm I/O and RS485 port that offers user the flexibility required to connect the unit to other devices.
RS-232C	The unit provides a RS-232C communication port for sending and receiving signals.
USB Connector	Two USB 2.0 ports on the rear panel for users to connect external USB devices to the unit.
IEEE 1394 FireWire®	The DynaGuard™ 200 series DVR is equipped with two IEEE 1394 ports for extended connections.
PAL/NTSC Switch	The video standard switch is for qualified service personnel only.

Alarm I/O & RS485 Pin Definition:

Pin	Definition	Pin	Definition	Pin	Definition
1	Normal Open 1	8	Alarm In 1	15	Alarm In 8
2	Common Node 1	9	RS485 D-	16	Alarm In 7
3	Normal Close 1	10	RS485 D+	17	Alarm In 6
4	Ground	11	Normal Open 2	18	Alarm In 5
5	Alarm In 4	12	Common Node 2	19	RS485 D-
6	Alarm In 3	13	Normal Close 2	20	RS485 D+
7	Alarm In 2	14	Ground		

Basic Setup

Follow the description to set up the DVR for date/time, recording and viewing video. All configurations can be set via either DVR front panel or DynaRemote™, the remote software, on PC through LAN.

Enter OSD Setup menu:

- Press **MENU** to enter the OSD menu.
- Enter password using Channel keys. The default passwords are as below.

Administrator Password	User Password
1 2 3 4	4 3 2 1

- Strongly suggest changing the passwords to prevent unauthorized access.

Date / Time Setting:

- Select <Date/Time> in **System Setup** menu to enter the **Date/Time** menu.
- Select the date and time using **LEFT/RIGHT** keys; then adjust the value using **UP/DOWN** keys.
- The new date and time settings take effect after confirm the changes.

To Define Recording Settings:

- Select <Record Setup> from the Main menu.
- Select a Preset Configuration setting from <Best Quality>, <Standard>, <Extended Record>, <128Kbps DSL>, <256Kbps DSL> and <512Kbps DSL>.
- Adjust the Recording schedule, Pre-alarm, Circular and Audio parameters.
- When the settings are complete, press **ENTER** to confirm and save the settings; or **ESC** to abort.

To Select Viewing Mode:

- Press **MODE** button repeatedly to select the wanted display mode. The available viewing modes are full-screen, 2x2 and 3x3 split-window.

Network Setup

Using LAN / Cable Modem:

Use the LAN setup when you plan to use a LAN, WAN, or Internet connection without a dialup modem. It requires an Ethernet connection to a network. The default ID of your DynaGuard™ 200 series DVR must be changed to avoid network conflicts.

- From Main menu, select <System Setup>→<Network Setup>, set the <LAN/PPPoE Select> item to <LAN> or <PPPoE> according to your network application, and enter <LAN/PPPoE Setup>.
- For DHCP user, set the DHCP to <ON>. The IP address, Netmask, Gateway and DNS settings are retrieved from network servers. DHCP is dynamic; the settings will change from time to time.

- For Non-DHCP user, set the DHCP to **<OFF>**. You must enter an IP address, Netmask, Gateway and DNS settings. Please obtain these settings from your network service provider.
- To change the IP address, Netmask, Gateway and DNS value, press **UP/DOWN** keys to move the cursor to the item. Use **LEFT/RIGHT** keys to access each section of the value and press **ENTER**, then change the value using **UP/DOWN** keys.
- PPPoE users must set the **<PPPoE Account>**, **<PPPoE Password>** and **<PPPoE Max Idle>** as well.
- When the settings are complete, press **ENTER** to confirm and save the settings, or **ESC** to abort.

Connecting Remote PC with the DVR via Modem:

DVR Configuration>>

- Connect an USB modem to the USB socket and connect a working phone line to the modem.
- Press **MENU** and input the Administrator password to access the OSD Main menu. Select **<Network Setup>** and then **<Dial-in Setup>** to set up the Dial-In settings, including Dial-in Account, Password, Server and Client IP, etc.

PC Configuration>>

- On your Windows PC, click **<Start>**, **<My Network Places>**, **<View Network Connections>**, **<Create New Connection>** to select **<Connect using dialup modem>** to connect to the internet through phone line.
- Enter the phone number of the modem that is connected to the DVR.
- Enter the Dial-in Account and Password that are specified in local DVR. Click **<Finish>** to establish the connection.

Establishing Dial-up Modem Connection from the DVR for Remote Notification:

DVR Configuration>>

- Connect an USB modem to the USB socket and connect a working phone line to the modem.
- Press **MENU** and input the Administrator password to access the OSD Main menu. Select **<Network Setup>** and then **<Dial-out Setup>** to set up the Dial-out settings, including Dial-out IP, Phone Number, Dial-out Account, etc.

PC Configuration>>

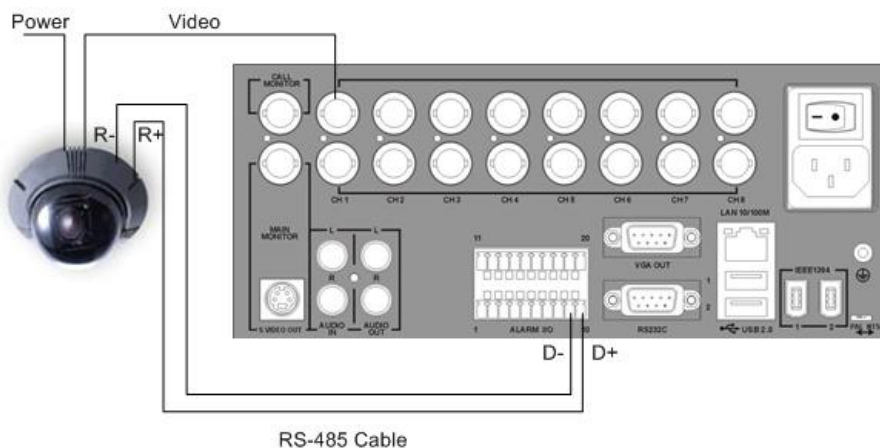
- On your PC, use the Network Connection Wizard to **<Accept incoming connections>**.
- Enter the Dial-out Account and Password that are specified in local DVR.
- Select network connection type to assign TCP/IP address for the PC. Click **<Finish>** to complete the process.

Dome Control

Dome Connection & Settings:

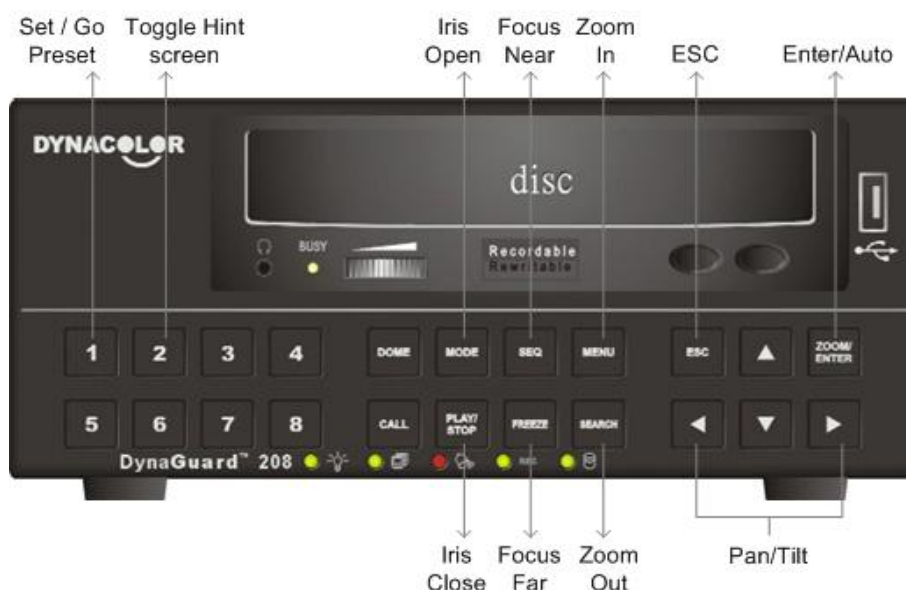
- See section Connecting Your DVR for RS-485 port pin definition.
- Refer to the following figure. Connect the R+, R- terminals on the dome camera to the D+, D-

terminals on the RS-485 port by RS-485 cable respectively.



- To set up dome protocol and ID, press **MENU** to access the Main menu, and select **<Camera Setup>**. The available protocols include **<DynaColor>**, **<Pelco D>**, **<Pelco P>**, **<AD422>** and **<None>** (default). Note that ID number must match the ID address defined by the dome.
- To configure the RS-485 parameters, select **<System Setup>** from Main menu, and then select **<RS485 Setup>**. The default DynaGuard™ 200 series DVR RS-485 settings are 9600 Baud, 8 Data Bits, 1 Stop Bit and No Parity.

Dome Control Button:



Basic Playback Operation

Searching Recorded Video by Time:

- Press **SEARCH** button to enter the **Search** menu; the From Time and End Time of the available video is listed on top of the screen. The value is unchangeable.
- Use Direction buttons to move the cursor for setting the Start Time; adjusting the date and time values by **UP/DOWN** keys. Press **ENTER** to confirm or **ESC** to abort.
- Move the cursor to **<Begin Playback>** and press **ENTER** to start playing back the selected

video. Either press **PLAY/STOP** again or **ESC** to return to live video.



NOTE: If there is no available recorded video that matches your specified time and date, the unit starts to playback from the next available video.

Searching Recorded Video by Event:

- Press **SEARCH** button to enter the **Search** menu.
- To search event video that was recorded on a specific camera, use **LEFT/RIGHT** keys to move the cursor and press **ENTER** to select or de-select a channel.
- Move the cursor to <Event List> and press **ENTER** to list the event video of the selected channels.
- The list displays each event by date, time, triggered camera and alarm type. The latest recorded event video will be listed on the top. To exit the event list, press **ESC**.
- Use **UP/DOWN** to scroll through the Event List. Press **ENTER** to play back the selected event record.



NOTE: The event list displays only the first 1024 events; as some events are deleted, others are displayed.

Playback Controls:

Button	Description
LEFT	The button is for rewinding the recorded video while playing back. Press the button repeatedly to increase the speed of reverse playback by 1x, 2x, 4x, 8x, 16x, or 32x.
RIGHT	The button is used to play the recorded video fast forward. Press the button repeatedly to increase the speed of forward playback by 1x, 2x, 4x, 8x, 16x, or 32x.
FREEZE	Press FREEZE to pause the playback video. When the recorded video is paused, press LEFT / RIGHT to resume playback video single step reverse / forward respectively. Press FREEZE again to continue playing video.
ESC	Press to exit current mode or stop playing back video and back to live mode.

Using Remote Software

Setup Requirements:

- Network connection to PC.
- IP address of your DynaGuard™ 200 series DVR. To check the DVR's IP address, press **MENU** key on the unit and enter password to access OSD Main menu; select <System Setup>, <Network Setup>, then <LAN/PPPoE Setup> to check the IP.


Changing Internet Setting:


- Start the IE; select <Tools> from the main menu of the browser, then <Internet Options> and then click the <Security> tab.

- Select <**Trusted sites**> and click <**Sites**> to specify its security setting.
- Disable Require server verification (https:) for all sites in this zone. Type the IP address of the unit in field and click <**Add**> to add this website to the zone.
- In the Security Level area, click <**Custom Level**>. Under <**All ActiveX controls and plug-ins**>, set all items to <**Enable**> or <**Prompt**>.
- Click <**OK**> to accept the settings and close the <**Security**> screen.

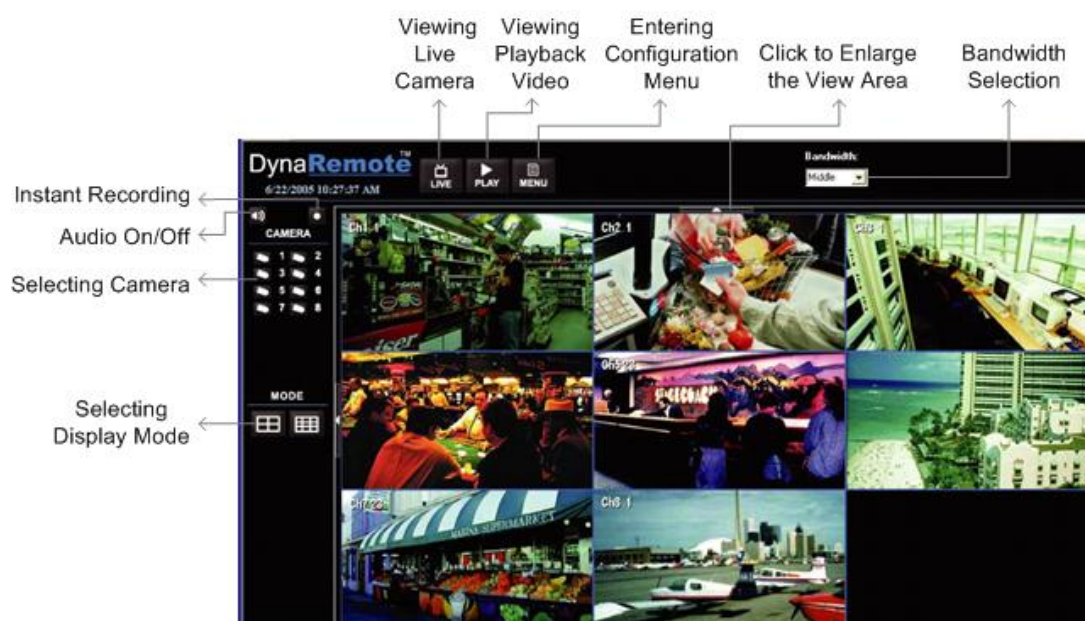
Using the Remote Software:

- Start the IE and enter the IP address of your DynaGuard™ 200 series DVR in the address field.
- The ActiveX controls and plug-ins dialog will show twice for confirmation, click <**YES**> to accept ActiveX plug-ins. The DynaRemote™ plug-ins will be downloaded and installed on your PC automatically when the connection is successfully made.

 **NOTE:** Do not enter any leading 0 characters in the address, for example, “192.068.080.006” should be entered “192.68.80.6”.

 **NOTE:** If the default trigger port 80 is changed into another one, port 81 for example, you should enter the IP address as “192.68.80.6:81”.

- Version verification starts automatically to verify whether DynaRemote™ was installed. This process may take up to 30 seconds.
- When the software is completely downloaded, the Login Screen is displayed.
- Enter your username and password. The default usernames and passwords are admin: 1234, user: 4321.



For more information on DynaRemote™, see DynaRemote™ user's manual.

Software Upgrade:

- When a new version of DynaRemote™ software is available on your DynaGuard™ 200 series unit, it will be automatically installed on your PC when you access the unit.

- The message “Browser will be closed” is displayed when upgrade. Click <Yes> to accept version upgrade.
- Start IE again and enter the IP address of the remote DynaGuard™ 200 series DVR.
- When the software is completely downloaded, the Login Screen will be displayed.

DynaRemote™ Playback

To Playback Remote Video:

- Click <Play> on the top of the main window toolbar, and then <Remote Playback> tab.
- The <From> and <To> on the top of the screen display the date and time from which recorded video is available for playback.
- Select the date and time of the segment to play back from the <Start> field. You can change the date and time either by typing desired numbers directly or using the arrow buttons.
- Select the camera(s) you want to play back. Click <Clear> to clear all of the camera entry selections, and click <All> to select all of the camera entries.
- Click <OK> to start the operation, or click <Close> to abort.

To Playback Local *.drv File:

- Click <Open> and the file selection screen is displayed. Select the *.drv video file to playback and click <OK>.
- Click <OK> in the <Local Playback> Screen to start the operation, or click <Cancel> to abort the playback.
- View the video playback using the Playback controls.
- After playback, click <Live> to return to live video.

To Playback Local *.avi Files:

- Start your windows media player or other media player from <Start> menu (or any other possible access).
- Select <File> and then <Open>.
- Select the wanted *.avi file, and click <Open>.



NOTE: The *.avi files stored for each channel are separated, and therefore the video can be played back in single channel, full screen mode only.

Playback Controls:

