



easynet[™]
SYSTEMS

QUICK SETUP MANUAL

easynet[™] Ultra Series DVR
ED-U1600/U3200

This manual is intended for initial setup only. The user should read the entire instructions manual before using this product. The user instructions manual can be downloaded via NUVICO website. www.nuvico.com

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HOW TO SET REMOTE CONTROL ID

Example: How to program ID 1 (Factory Default) into the remote control. It is a 3 step process.

- Press **ID** button, then, press **1** button, then finally, press **ID** button again to save.



HOW TO MOUNT THE HDD TO THE DVR

1. When you unpack the DVR box, locate the removable HDD tray, shown below.



2. The removable HDD tray, shown below needs to be inserted into the empty slot of the DVR.



3. With the latch pointing upwards, slide the tray into the slot.



4. Lock the tray in the slot by applying downward pressure to the latch.



5. Finally, use the supplied tray key to lock the HDD tray into the chassis to prevent unauthorized removal.

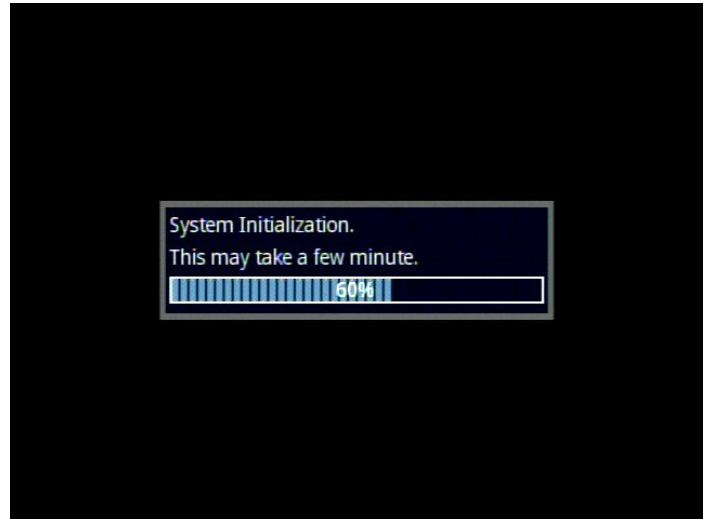


HOW TO START THE DVR

1. Connect the supplied USB mouse into any available USB port.
2. Connect the power cable from the power source outlet (preferably a UPS) to the back of the DVR.

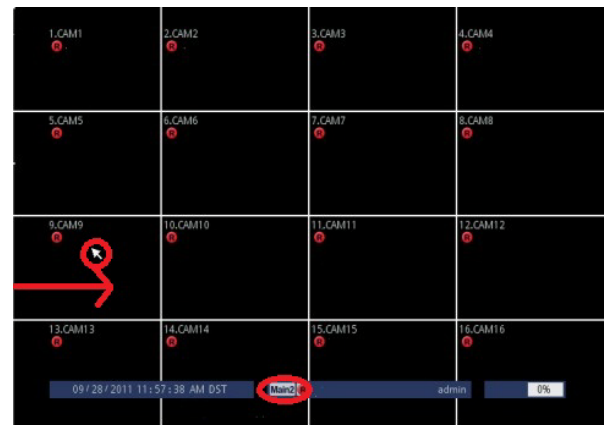
Turn on and start the DVR.

- Using Front Panel/Remote: Press the **POWER** button for 3 seconds.
- Using Mouse: Not supported



IMPORTANT STEP: IF YOU ARE USING BNC TYPE MONITOR ONLY, WHICH IS CONNECTED TO MAIN 2

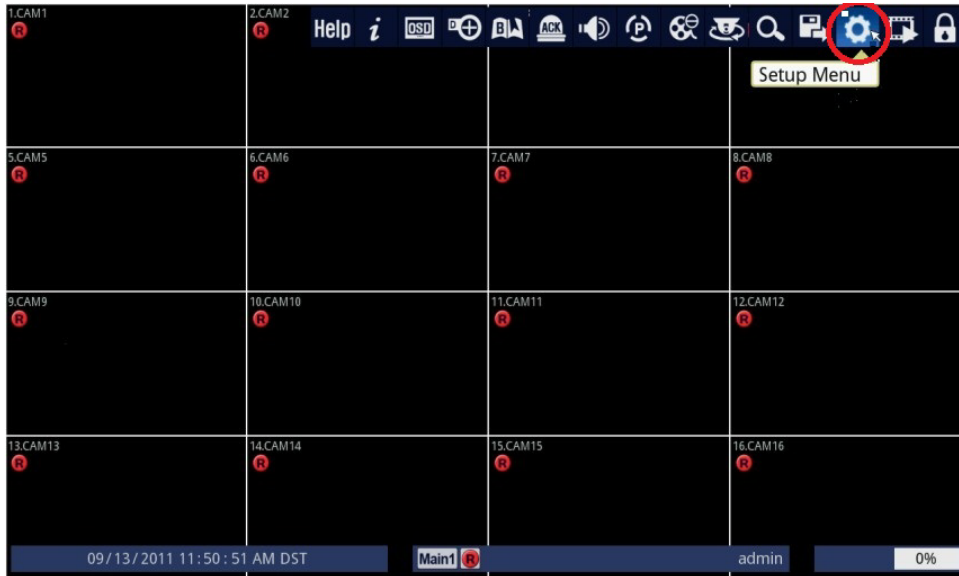
- Using Front Panel/Remote: Set the Front Panel/Remote to control Main 2. Press the **MON** button and **2** button.
- Using Mouse: On the Main 1, move the mouse cursor towards the right side of the screen and keep moving right until mouse cursor appears on Main 2.





HOW TO INITIALIZE THE HDD FOR RECORDING

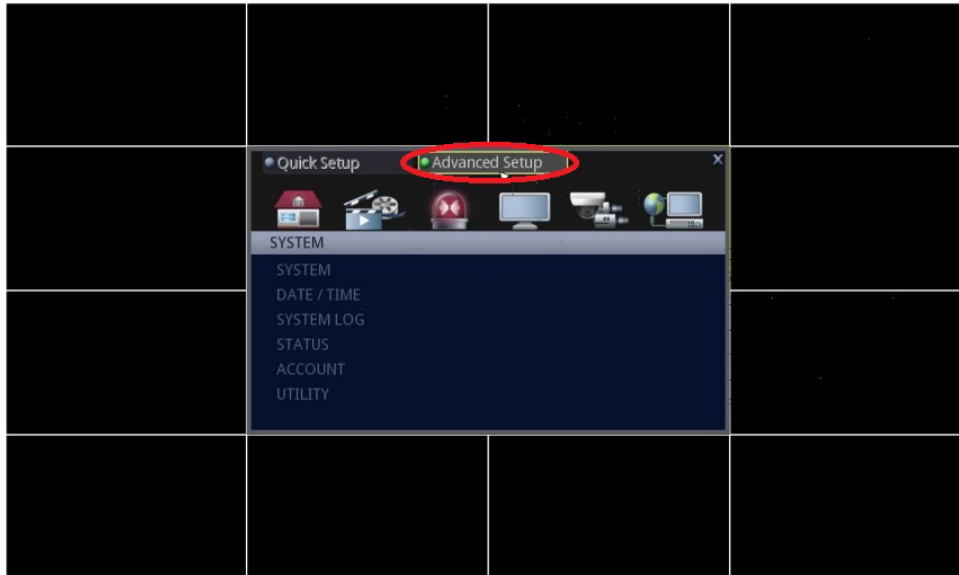
1. Follow the instructions below.

- Using Front Panel/Remote: Press **MENU** button and press  button.
- Using Mouse: Click on the [Setup Menu] icon.





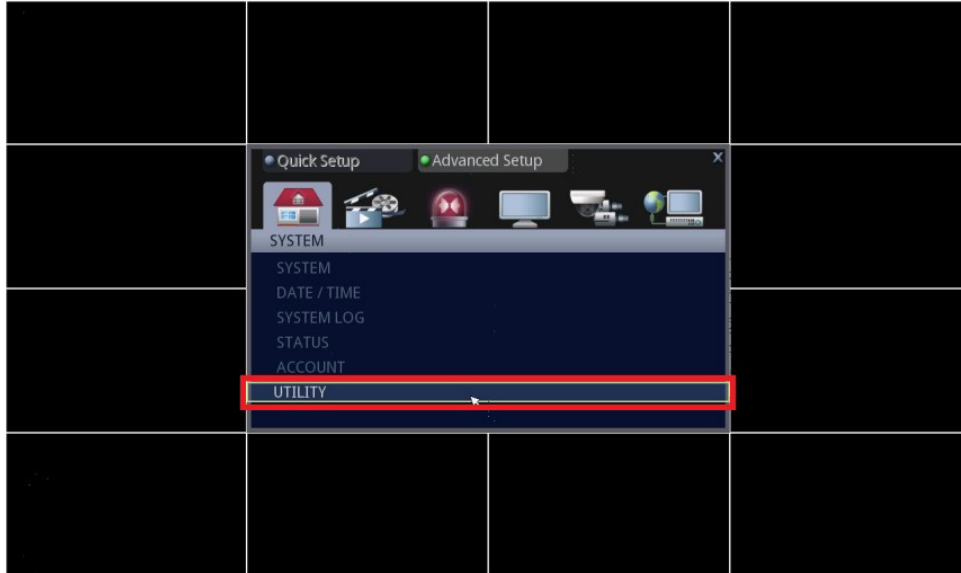
2. Select Advanced Setup.

- Using Front Panel/Remote: Press  button and  button.
- Using Mouse: Click on the [Advanced Setup].





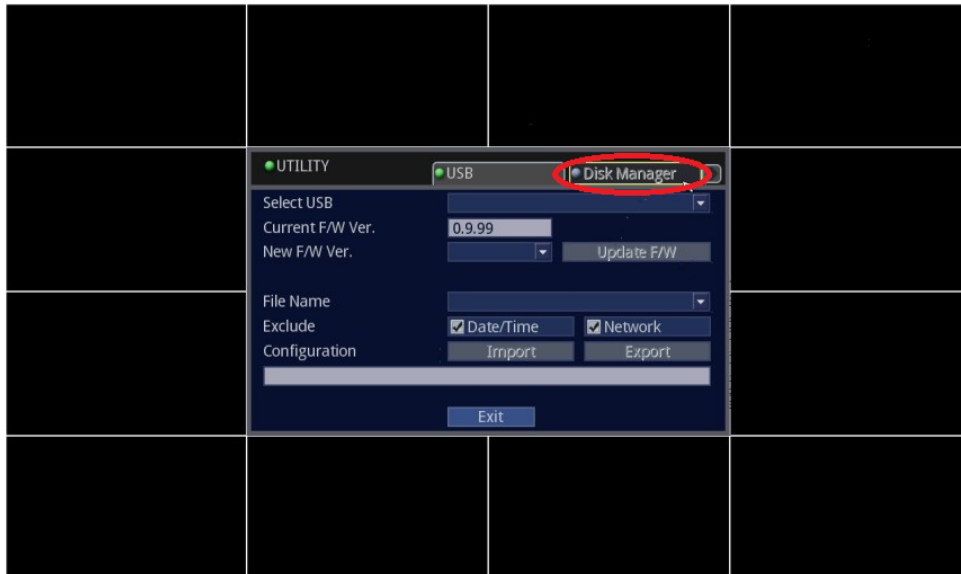
3. Select Utility.

- Using Front Panel/Remote: Press  button many to highlight [UTILITY] and press  button.
- Using Mouse: Click on the [UTILITY].




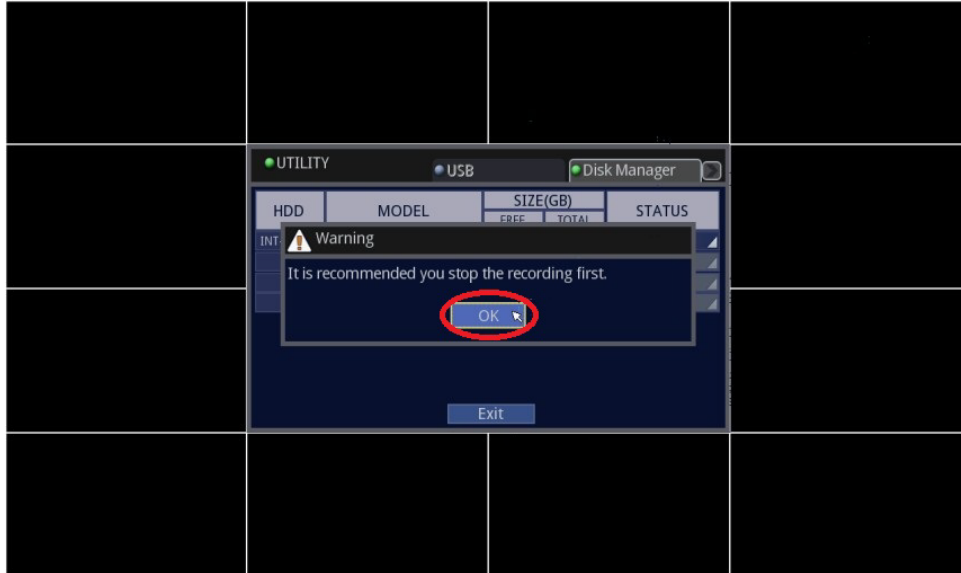
4. Select Disk Manager.

- Using Front Panel/Remote: Press  button many to highlight [Disk Manager] and press  button.
- Using Mouse: Click on the [Disk Manager].





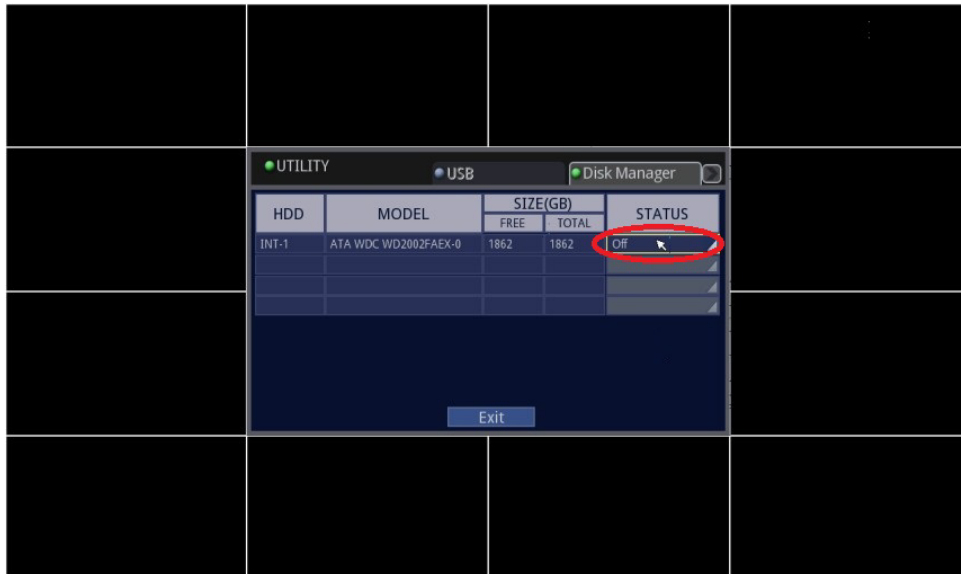
6. Disk Manager will alert with caution message.

- Using Front Panel/Remote: Press  button to acknowledge and to move on.
- Using Mouse: Click on the [OK].





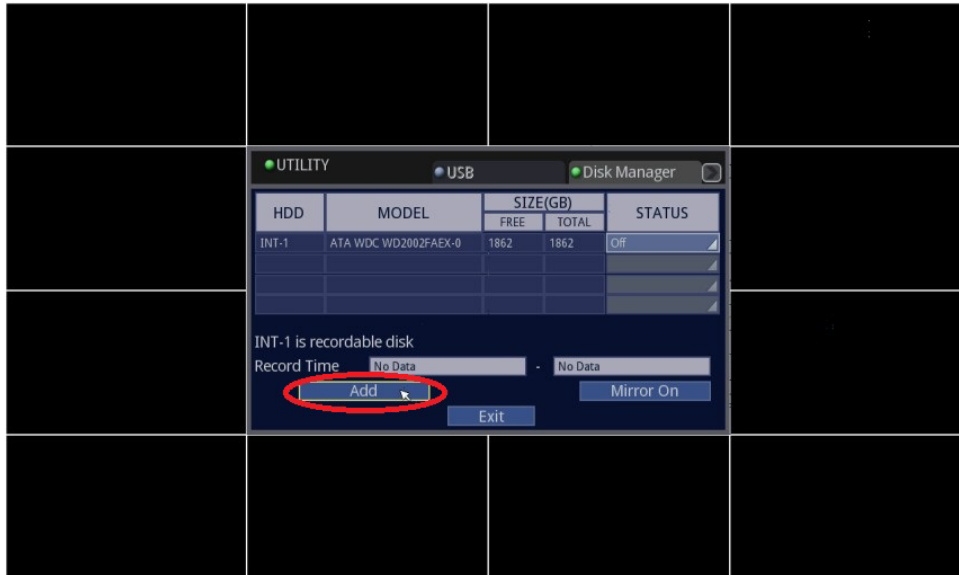
7. Select INT-1 HDD.

- Using Front Panel/Remote: Press  button to highlight the [Off] status of INT-1. Then, press  button.
- Using Mouse: Click on the [Off] status of the INT-1.




8. Select Add


- Using Front Panel/Remote: Press  button to highlight [Add] and press  button.
- Using Mouse: Click on the [Add].

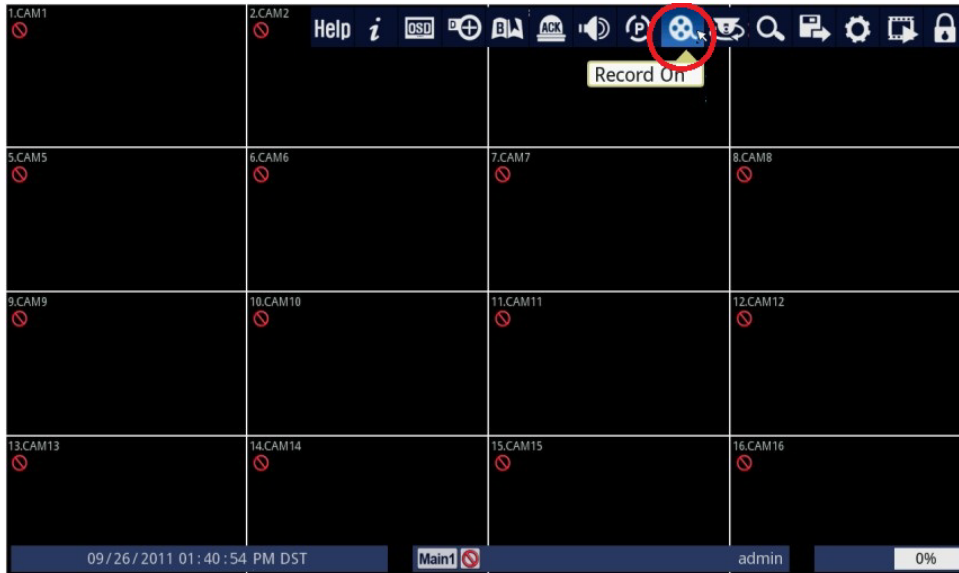


9. You are finished. To exit menu and to start recording video.

- Front Panel/Remote: Press and hold onto  button for 2 seconds.
- Mouse: Right click on your mouse twice.

10. Begin recording the video.

- Using Front Panel/Remote: Press  button.
- Using Mouse: Click on the [Record On].

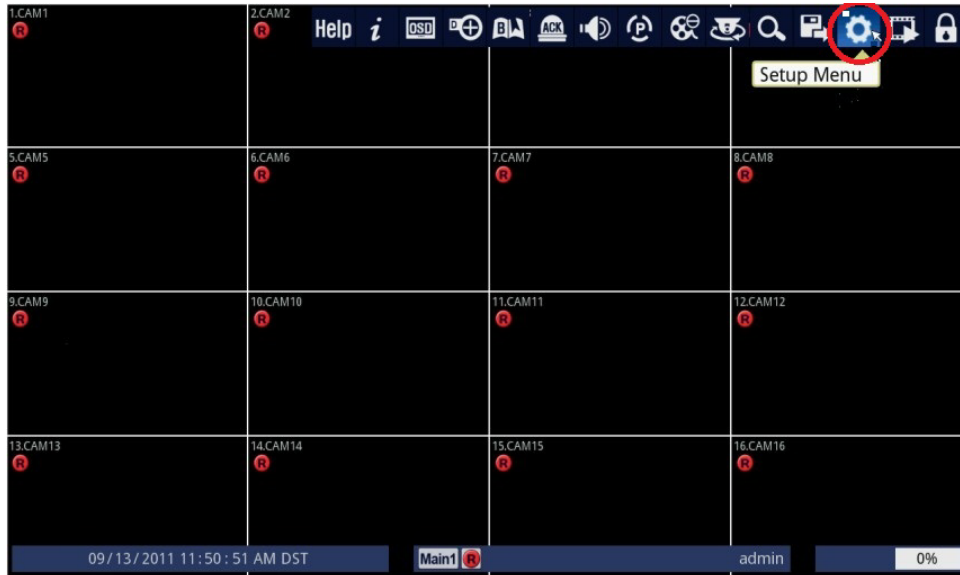


HOW TO SET DATE/TIME



When the DVR is powered on for the very first time, the time and date may be incorrect. Before any other operation of the DVR is started, it is important to setup the time and the date.

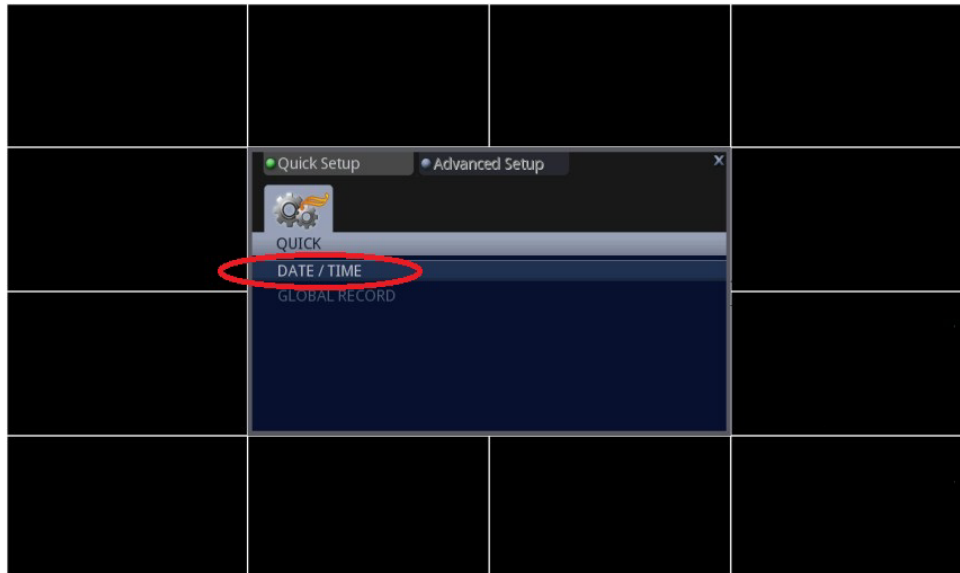
1. Follow the instructions below.

- Using Front Panel/Remote: Press **MENU** button and press  button.
- Using Mouse: Click on the [Setup Menu] icon.



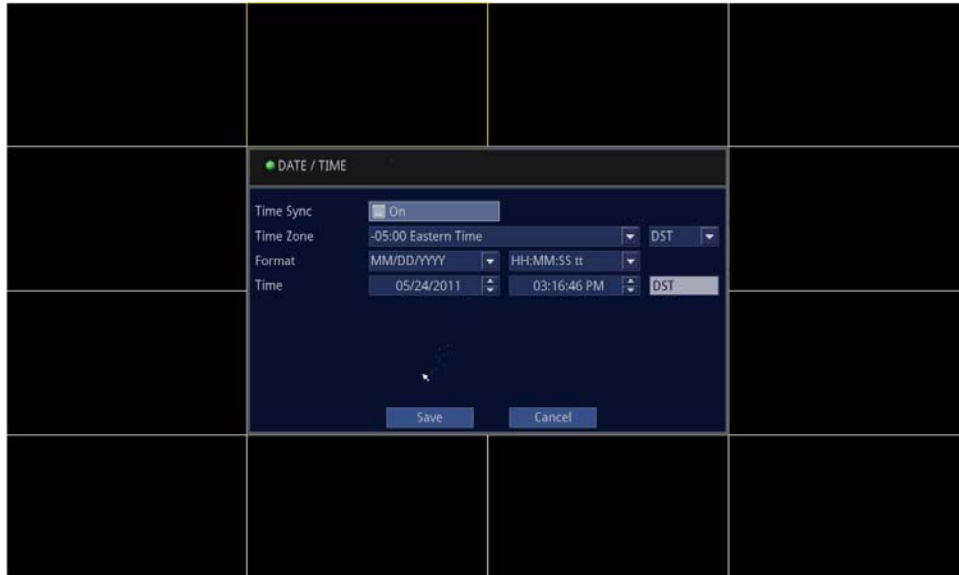
2. Access DATE / TIME submenu.

- Front Panel/Remote: Press  button to highlight [DATE/TIME], and press  button.
- Mouse: Click on the [DATE/TIME] line under the Quick Setup Tab.



3. Change to the desired value.

- Front Panel/Remote: Use and press     buttons and  button to modify to desired value.
- Mouse: Click on the desired value and modify.





Time Sync: When checked, it will synchronize the DVR's time to its regional NTP (Network Time Server) if an active internet connection is maintained.

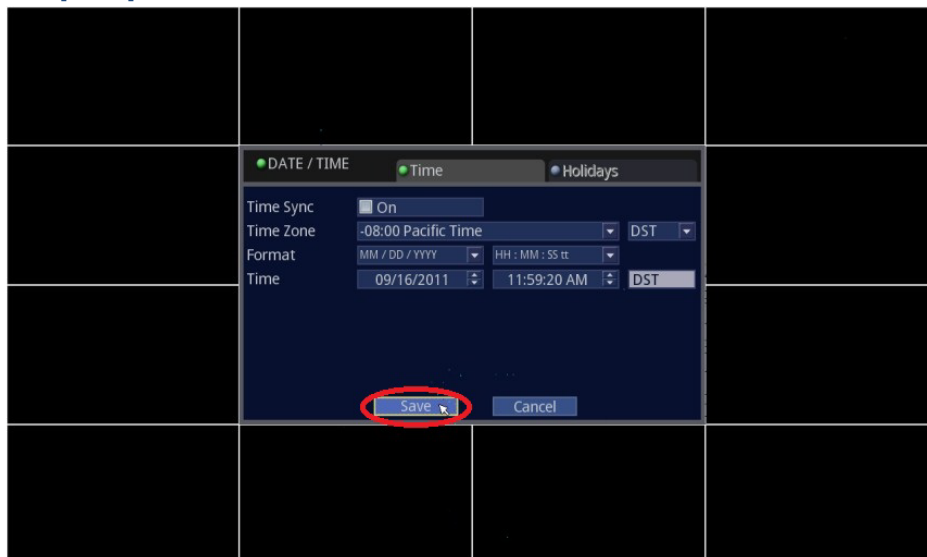
Time Zone: Select appropriate Time Zone for your location.

Format: Allows the format and display of DATE/ Time to be customized.


Time: Set or modify the Date and Time.

4. Save the changes.

- Front Panel/Remote: Press  button to highlight [Save] and press  button to save.
- Mouse: Click on [Save] to save.



5. To exit out to the Live screen.

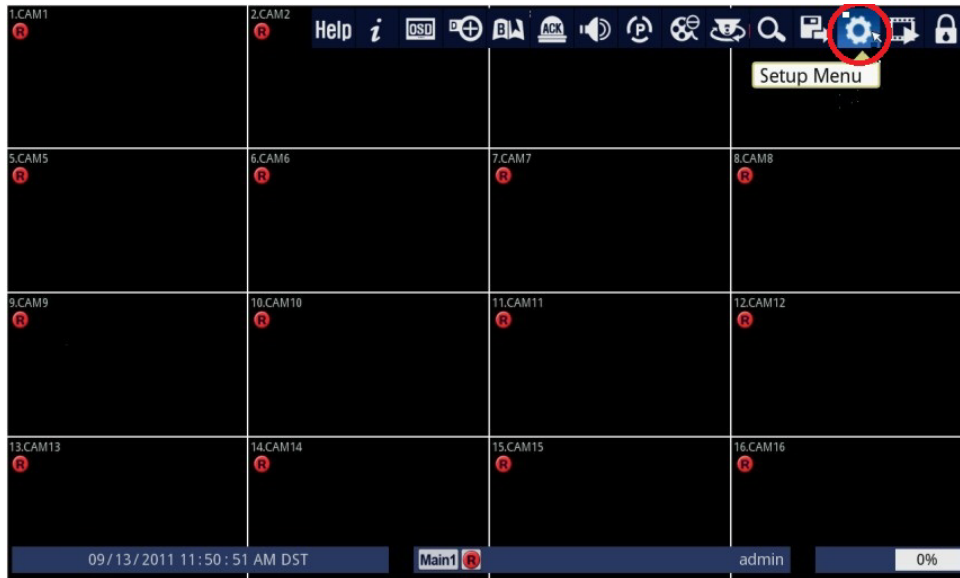
- Front Panel/Remote: Press and hold onto  button for 2 seconds.
- Mouse: Right click on your mouse twice.

QUICK RECORD SETUP



In GLOBAL RECORD under QUICK SETUP, you can set recording parameters that applies to entire cameras.

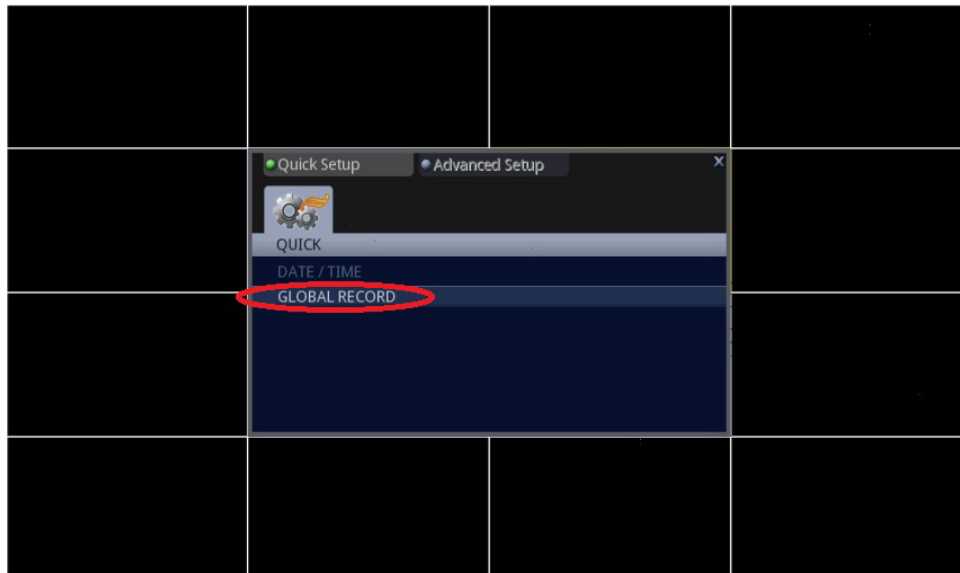
1. Follow the instructions below.

- Using Front Panel/Remote: Press **MENU** button and press  button.
- Using Mouse: Click on the [Setup Menu] icon.



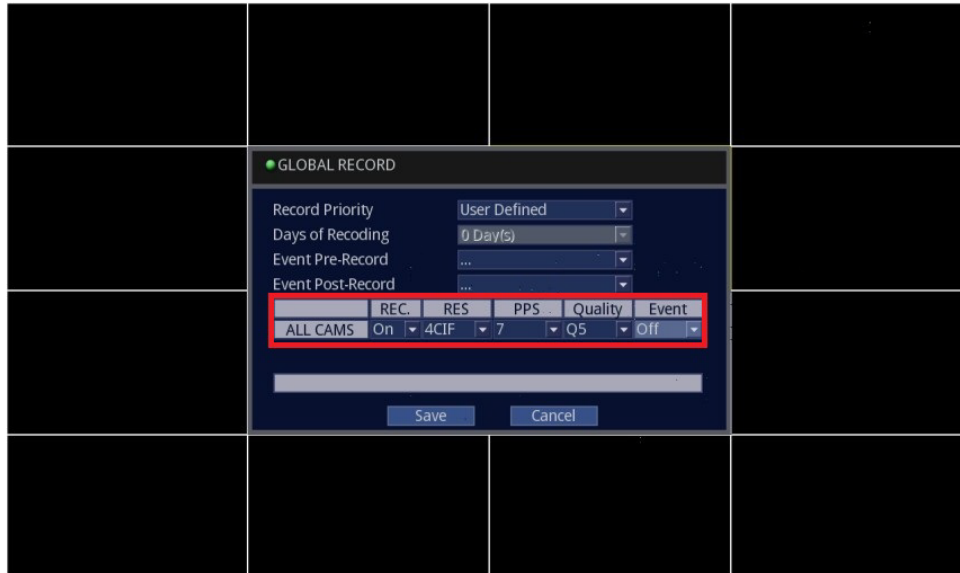
2. Access the GLOBAL RECORD sub-menu.

- Front Panel/Remote: Press  button to highlight [GLOBAL RECORD], and press  button.
- Mouse: Click on the [GLOBAL RECORD] line under the Quick Setup Tab.



3. Change to the desired value.

- Front Panel/Remote: Use and press     and  button to modify to desired value.
- Mouse: Click on the desired value and modify.



REC.: On or Off. Refers to Continuous (24/7) recording for all cameras.

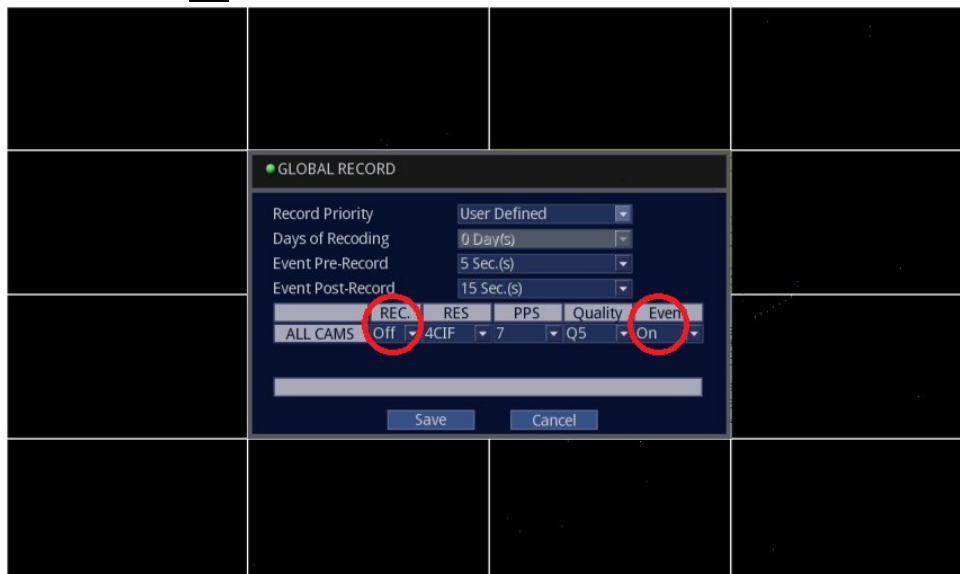
RES: CIF,2CIF or 4CIF. Refers to recording resolution for all cameras. CIF being lowest, and 4CIF being the best.

PPS: 1, 2, 4, 7, 15, 30. Refers to pictures per second for all cameras. 1 being jerky, and 30 being smooth, real-time video.






Quality: Q1, Q2, Q3, Q4, Q5. Refers to detail level for all cameras. Q1 is least detailed, and Q5 is superfine, most detailed.

Event: On or Off. Activates Motion or Alarm recording for all cameras.

IMPORTANT: Should you wish the DVR to record **ONLY** when the motion is detected, make sure that the [REC.] is set to "OFF" and Event is set to "ON". Illustration is shown below.

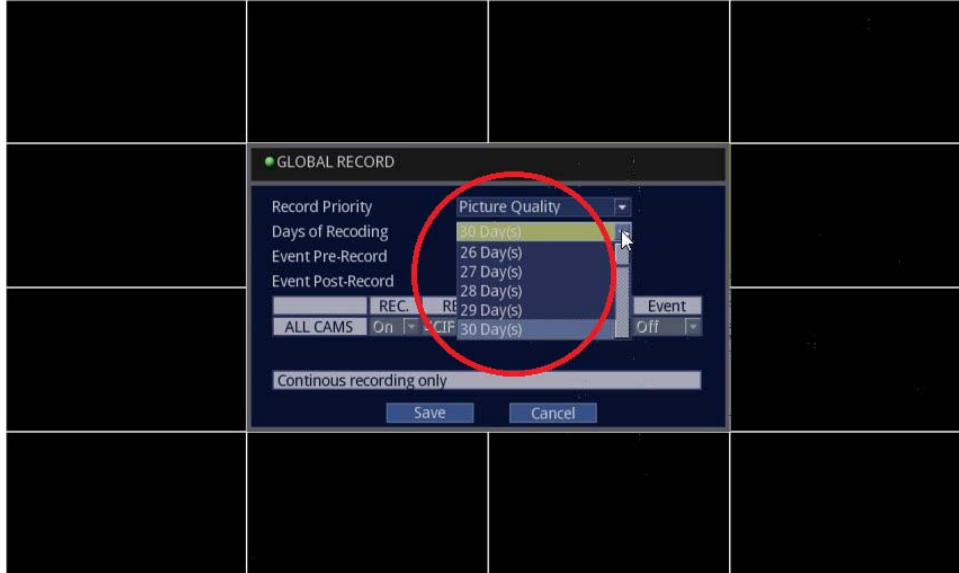


4. RECORD WIZARD –Continuous (24/7) Record Mode Only-

- Front Panel/Remote: Use     and  button to modify to desired value.
- Mouse: Click on the desired value and modify.

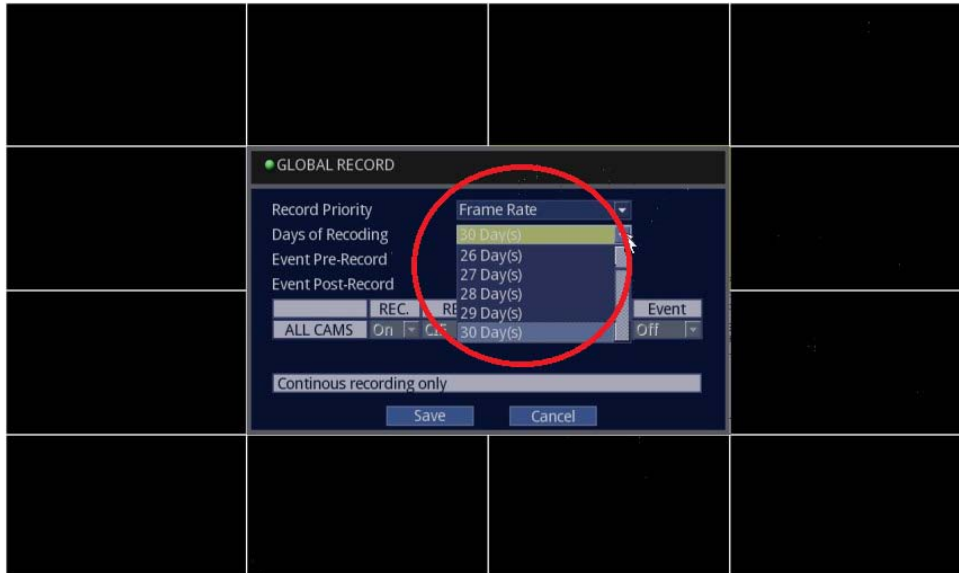
Picture Quality –Better pictures quality but slower PPS-

When the DVR is configured to Picture Quality Priority Mode, it will automatically adjust its recording frame rate and resolution based on the number of days specified to give you the highest picture quality possible.





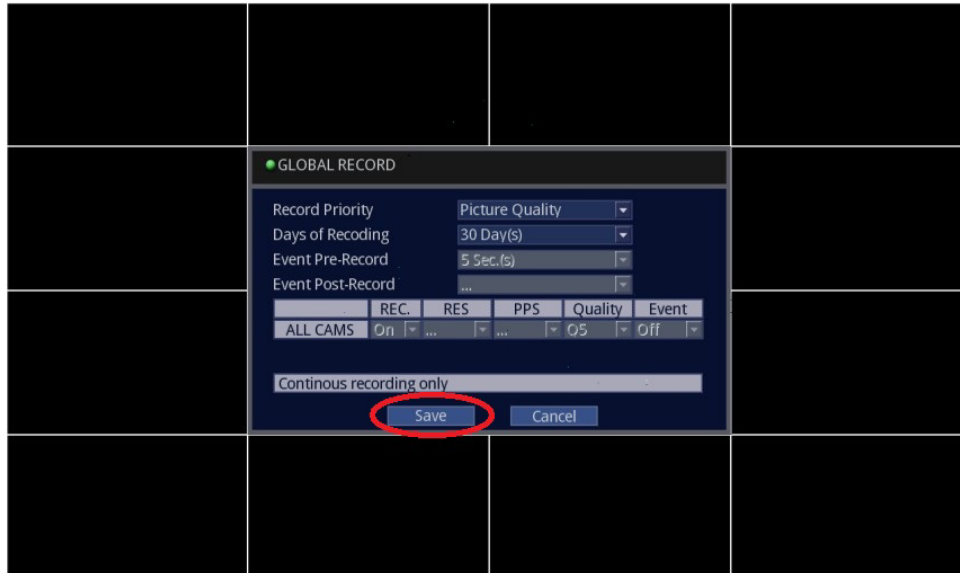
Frame Rate –Smoother video speed but sacrifices picture clarity-

When the DVR is configured to Frame Rate Priority Mode, it will automatically adjust its recording resolution and quality based on the numbers of days specified to give you the highest frame rate possible.




5. Save the changes.

- Front Panel/Remote: Press  button to highlight [Save] and press  button to save.
- Mouse: Click on [Save] to save.



6. To exit out to the Live screen.

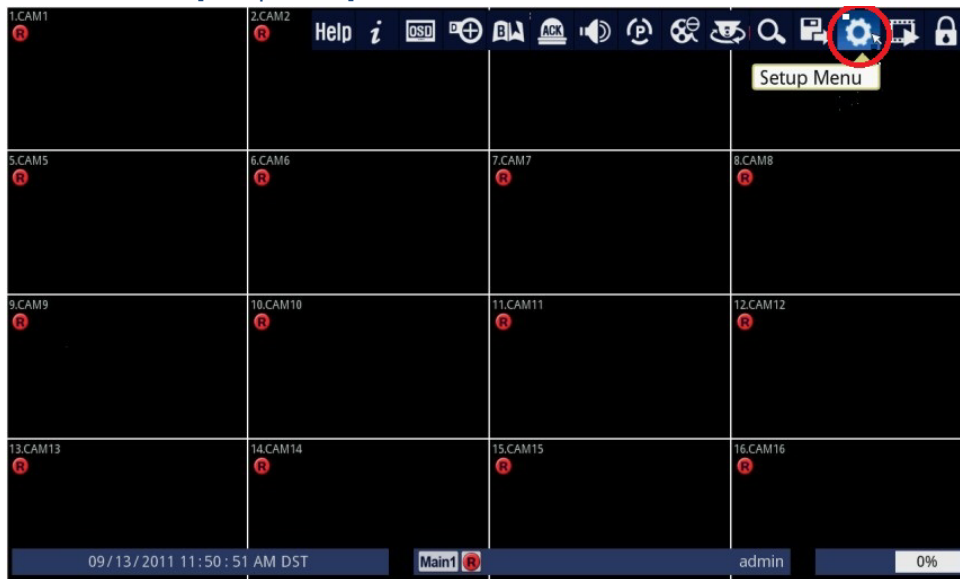
- Front Panel/Remote: Press and hold onto  button for 2 seconds.
- Mouse: Right click on your mouse twice.

HOW TO DISABLE USE 2nd MONITOR (BNC) OUTPUT VERY IMPORTANT IF YOU USE ONLY 1 MONITOR



The factory default setting for 2nd Monitor is turned “On”. However, should you **NOT** want to take advantage of 2nd Monitor “Main 2”, follow these instructions.

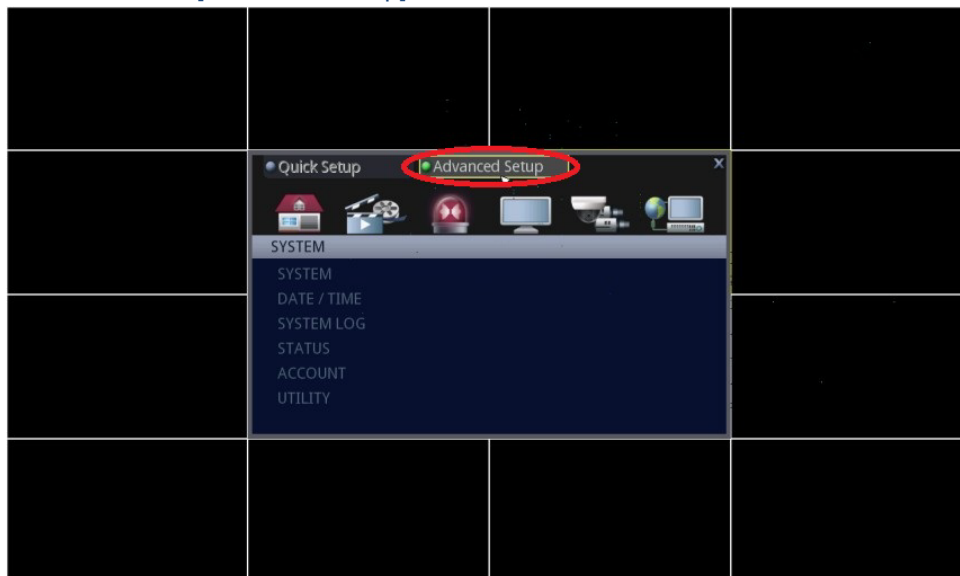
1. Follow the instructions below.

- Using Front Panel/Remote: Press **MENU** button and press  button.
- Using Mouse: Click on the [Setup Menu] icon.



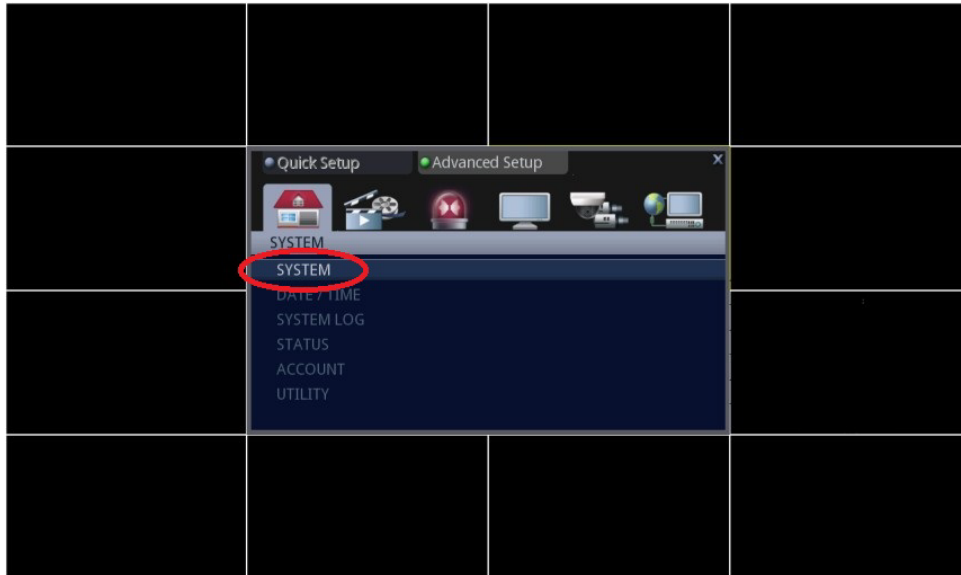
2. Select Advanced Setup.

- Using Front Panel/Remote: Press  button and  button.
- Using Mouse: Click on the [Advanced Setup].





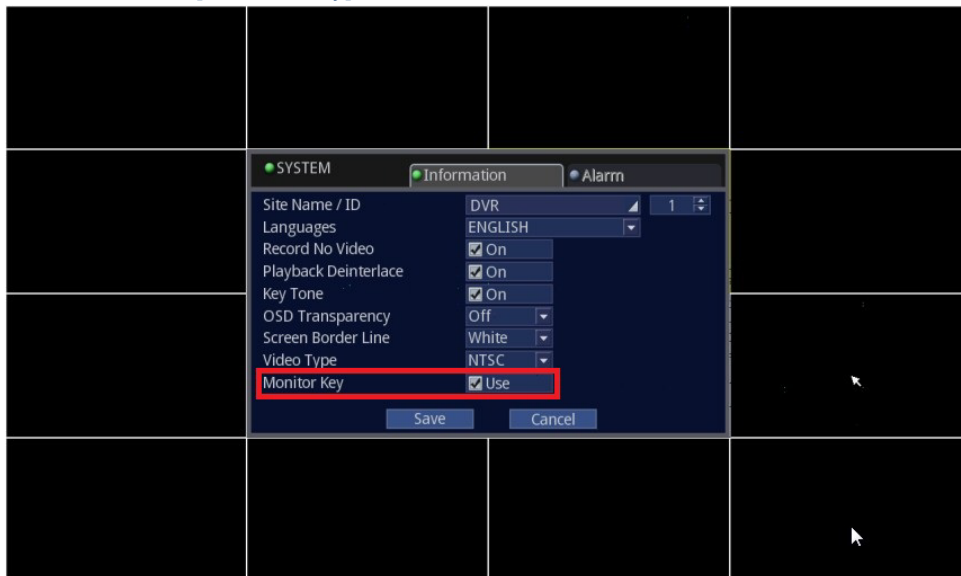
3. Access the sub-menu of SYSTEM.

- Using Front Panel/Remote: Press  button twice and press  button.
- Using Mouse: Click on the [SYSTEM].





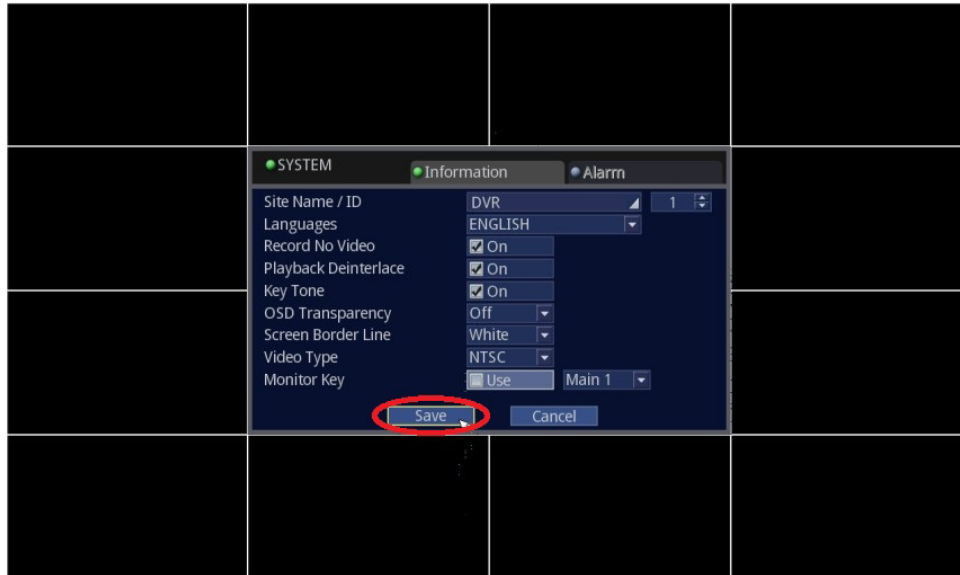
4. Uncheck to turn off [Monitor Key].

- Using Front Panel/Remote: Press  button multiple times to highlight [Monitor Key], and press  button.
- Using Mouse: Click on the [Monitor Key] to uncheck the selection.




5. Save the changes.

- Front Panel/Remote: Press  button to highlight [Save] and press  button to save.
- Mouse: Click on [Save] to save.



6. To exit out to the Live screen.

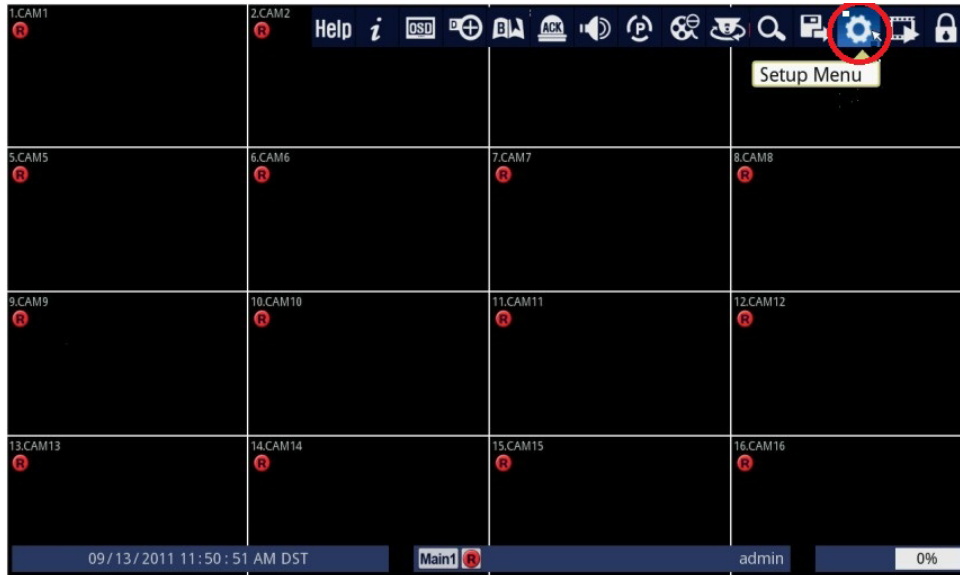
- Front Panel/Remote: Press and hold onto  button for 2 seconds.
- Mouse: Right click on your mouse twice.

HOW TO SETUP IP ADDRESS UNDER THE NETWORK SETUP



The network menu allows for adjustment to the TCP/IP settings for viewing video across a local area network or through the internet.

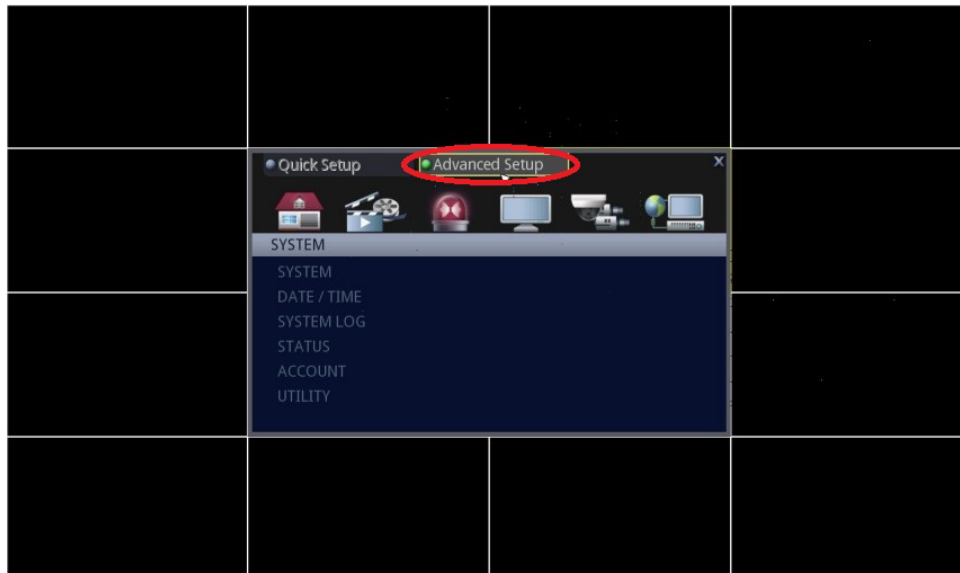
1. Follow the instructions below.

- Using Front Panel/Remote: Press **MENU** button and press  button.
- Using Mouse: Click on the [Setup Menu] icon.



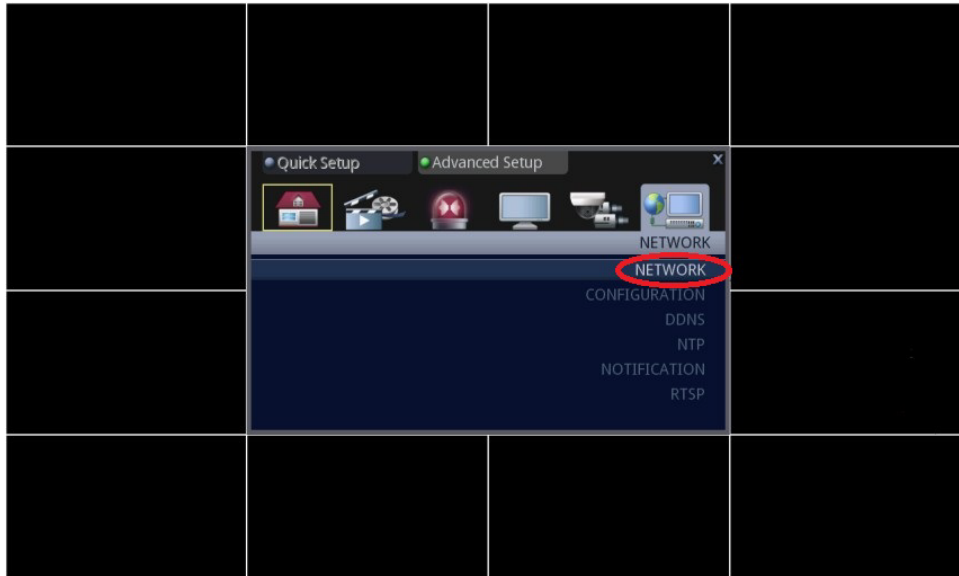
2. Select Advanced Setup.

- Using Front Panel/Remote: Press  button and  button.
- Using Mouse: Click on the [Advanced Setup].



3. Select Network and access the sub-menu of NETWORK.

- Using Front Panel/Remote: Press button multiple times to move over to [NETWORK], then, press button twice to highlight [NETWORK], and press button.
- Using Mouse: First, click on the [NETWORK] icon, and then click on the [NETWORK] text.



4. Make necessary changes.

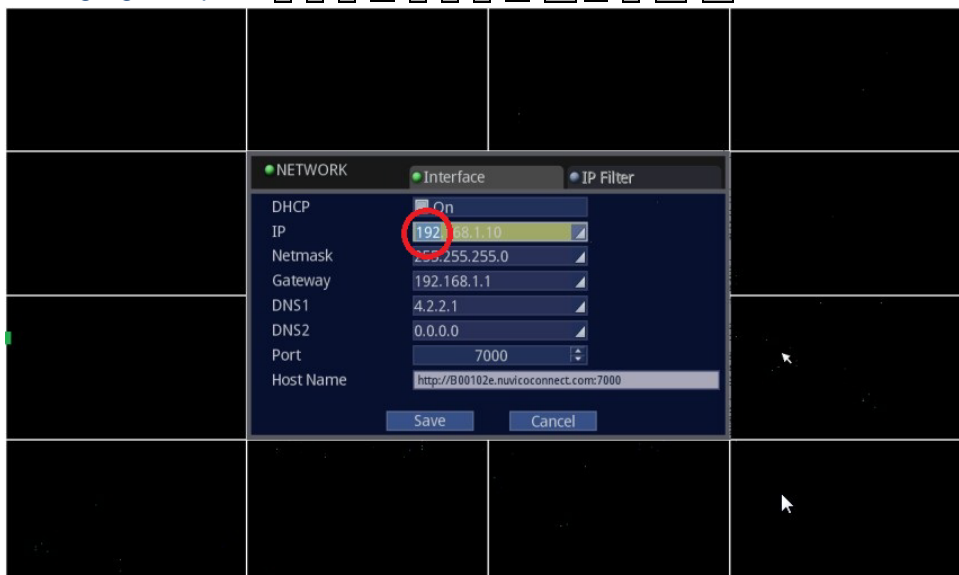
- Front Panel/Remote: For DHCP, Press button and press to check or uncheck.

For IP, Netmask, Gateway, DNS1, DNS2, Port, follow the instructions below. (These parameters are given by your Internet Service Provider or Network Administrator on a corporate network environment.)

Highlight the first group of IP address and press button. When first group of IP is highlighted, use buttons ~ to modify to desired value. NOTE: is used for [0].

Example of entering "192.168.0.100"

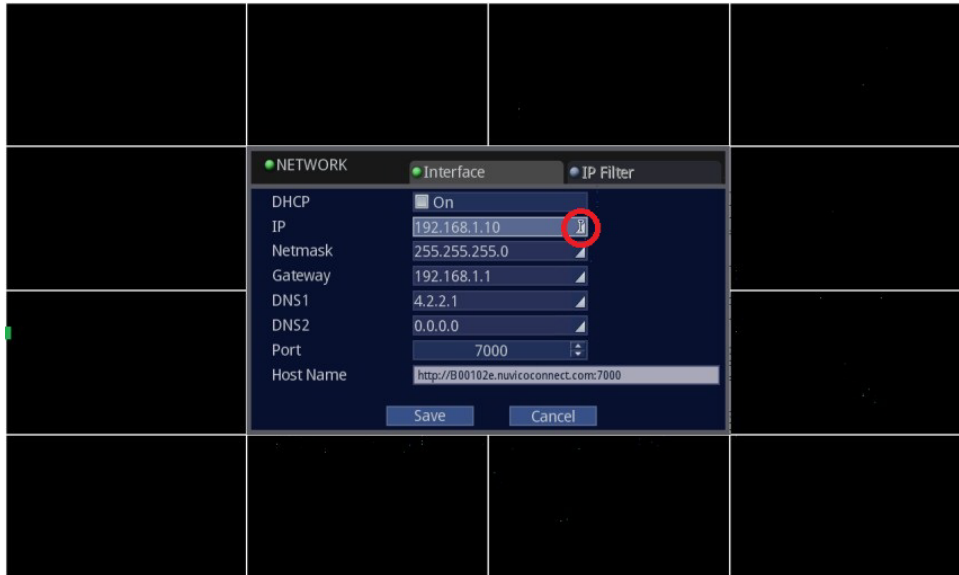
When first group of IP is highlighted, press



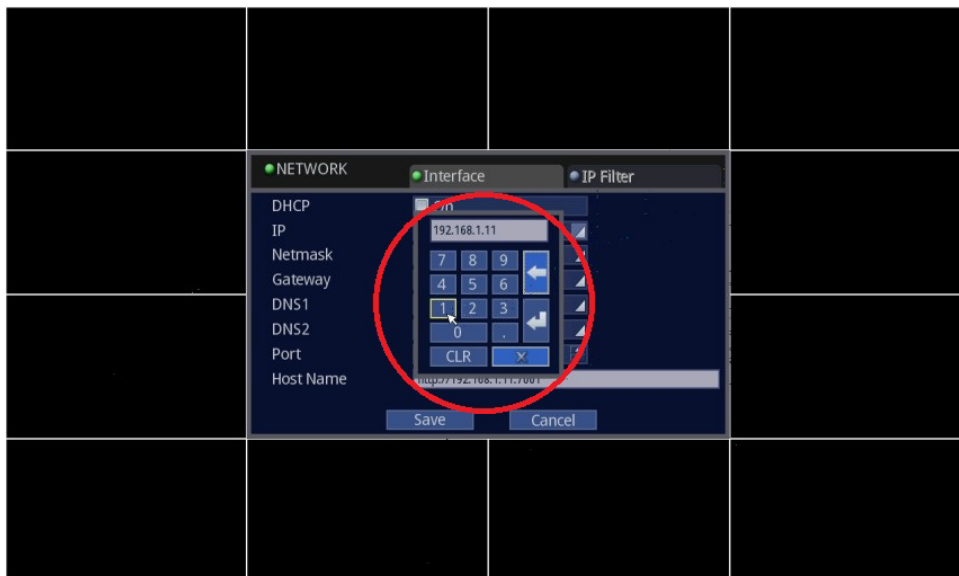
- Mouse: For DHCP, click on the “On” checkmark to enable or to disable.

For IP, Netmask, Gateway, DNS1, DNS2, Port, follow the instructions below. (These parameters are given by your Internet Service Provider or Network Administrator on a corporate network environment.)

Highlight and click the IP portion on the screen.



Virtual numeric keypad will pop up on the screen. Use your mouse to click on the desired value such as 0 ~9, Backspace, Enter and Clear button.





DHCP: Obtains IP, Netmask, Gateway, DNS1, DNS2 automatically from your internet device or Router. Only enable this when you know that DHCP is supported by your device.

IP: IP Address

Netmask: Subnet Mask

Gateway: Gateway, usually referred to as IP Address of your router on the network.

DNS1: Primary Domain Name Server Address, given by your Internet Service Provider or Network Administrator.

DNS2: Secondary Domain Name Server Address, given by your Internet Service Provider or Network Administrator.



Port: 7000 is the factory default. This port number is customizable and can be changed.

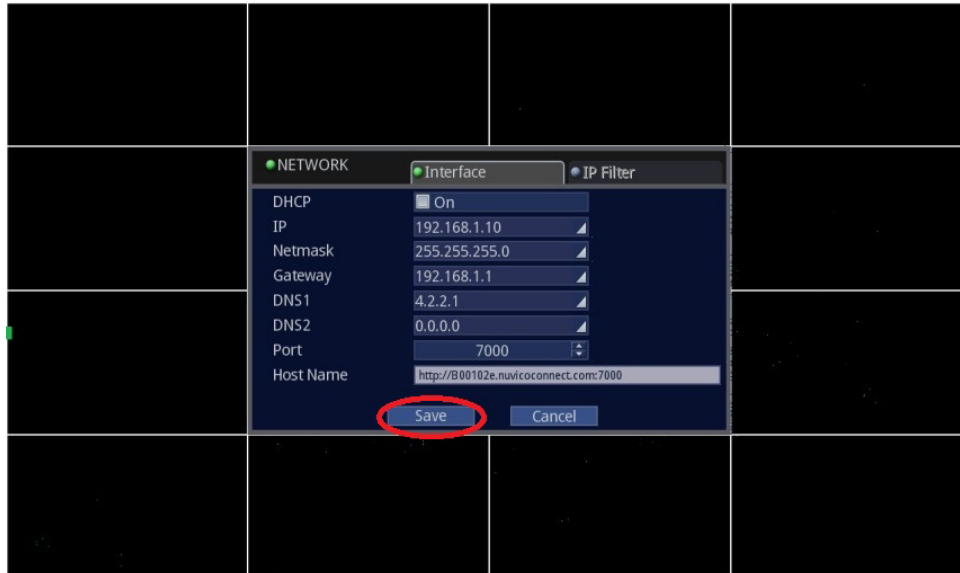
Host Name: Type the address that is shown here to your web browser such as Internet Explorer, Mozilla Firefox, Google Chrome, or Apple Safari.

When the DVR is connected and configured to connect to public internet, it will display unique address such as <http://hostname.nuvicoconnect.com:7000>


For example: <http://u123432.nuvicoconnect.com:7000> can be typed into any web browser and the user can view/playback the videos from the DVR via the web browser.

5. Save the changes.

- Front Panel/Remote: Press  button to highlight [Save] and press  button to save.
- Mouse: Click on [Save] to save.



6. To exit out to the Live screen.

- Front Panel/Remote: Press and hold onto  button for 2 seconds.
- Mouse: Right click on your mouse twice.

HOW TO SEARCH FOR VIDEO USING “TIME SEARCH” METHOD

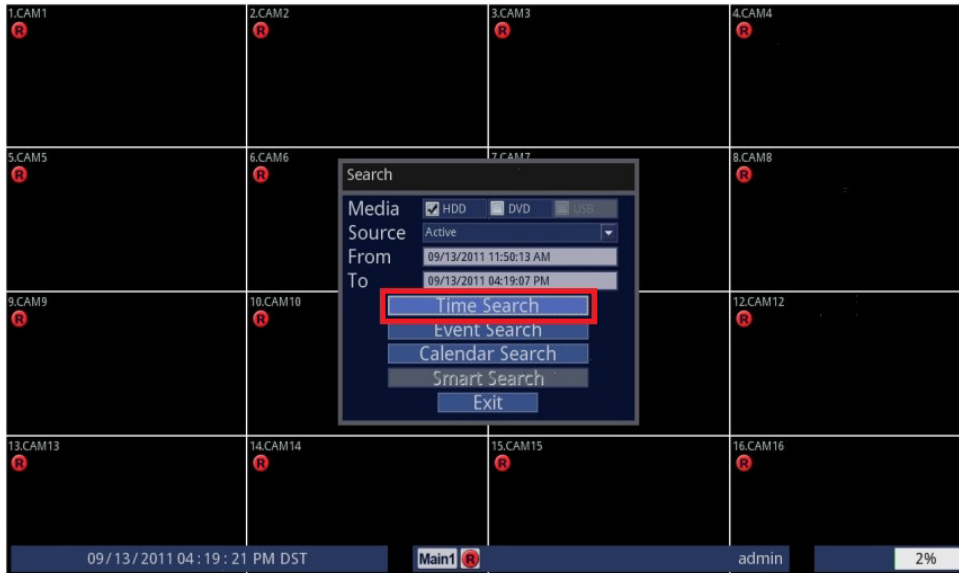
1. Follow the instructions below.

- Using Front Panel/Remote: Press **SEARCH** button.
- Using Mouse: Click on the [Search] icon.









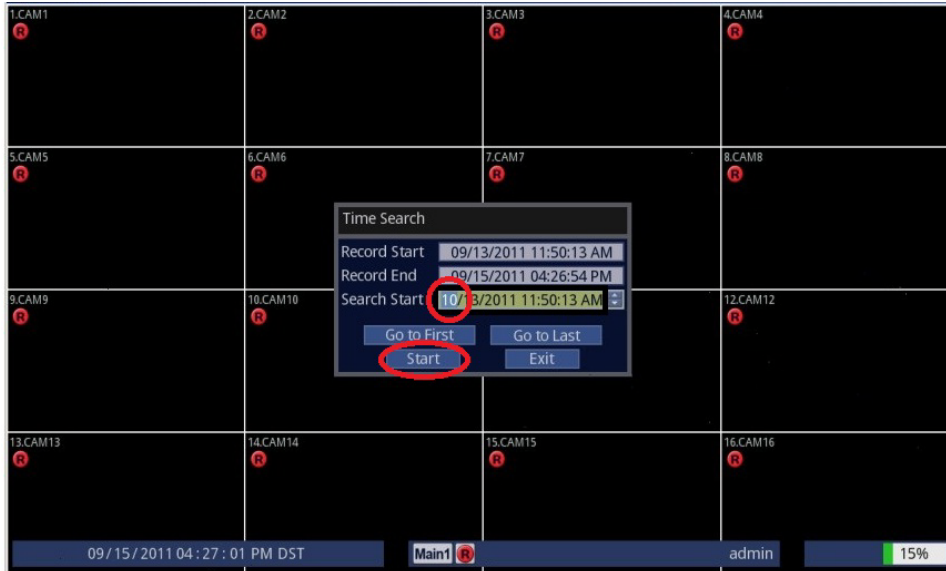
2. Select Time Search.



- Using Front Panel/Remote: Press **↓** button twice to highlight [Time Search] and press **↵** button.
- Using Mouse: Click on the [Time Search] icon.

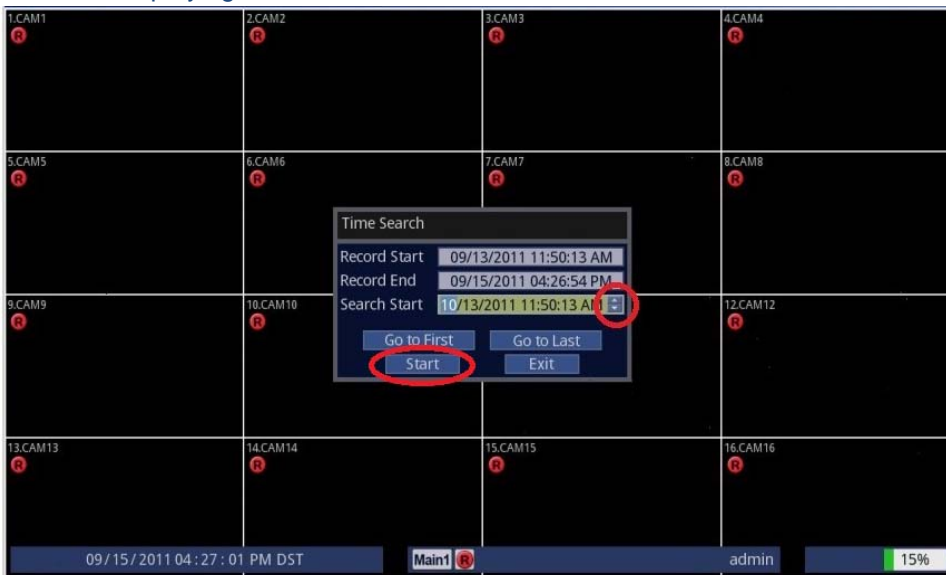


3. Enter your desired Date and Time.


- Using Front Panel/Remote: Press  button and use   to change to the desired value for Month/Day/Year and Hour/Minute/Second. When finished, press  button. Then, press  button couple of times to highlight [Start] and press  button. Your desired video will start playing.



- Using Mouse: Click on the desired group such as Month/Day/Year/Hour/Minute/Second and click on the [] [] part of the screen to change the value. Then, highlight and click on [Start]. Your desired video will start playing.



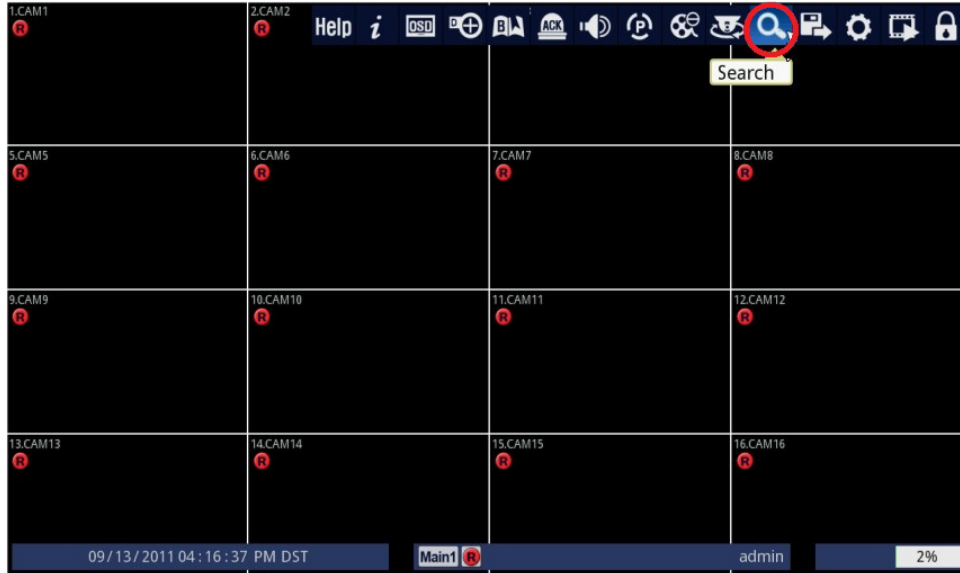
4. To exit out to the Live screen.

- Front Panel/Remote: Press  button.
- Mouse: Click on the X (Close).

HOW TO SEARCH FOR VIDEO USING “CALENDAR SEARCH” METHOD

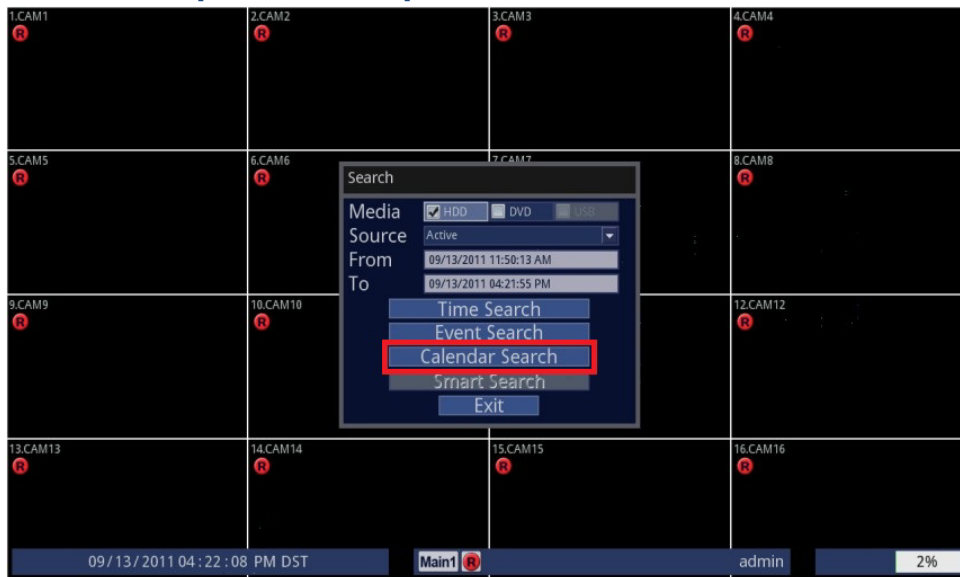
1. Follow the instructions below.

- Using Front Panel/Remote: Press **SEARCH** button.
- Using Mouse: Click on the [Search] icon.



2. Select Calendar Search.

- Using Front Panel/Remote: Press **SEARCH** button three times to highlight [Calendar Search] and press **ENTER** button.
- Using Mouse: Click on the [Calendar Search] icon.



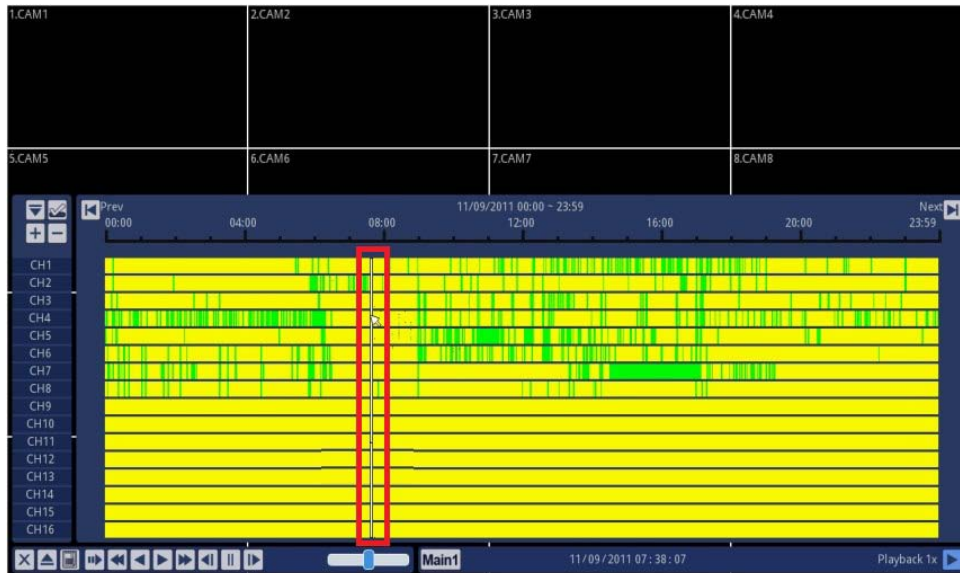
3. Select Year, then Month, and Finally the day of the month.

- Using Front Panel/Remote: Press button to highlight Month and press button. Use and press buttons to select your desired month and press button to exit. Use the same method for year and day.
- Using Mouse: Click on either the Year/Date or Day and change to the desired value.




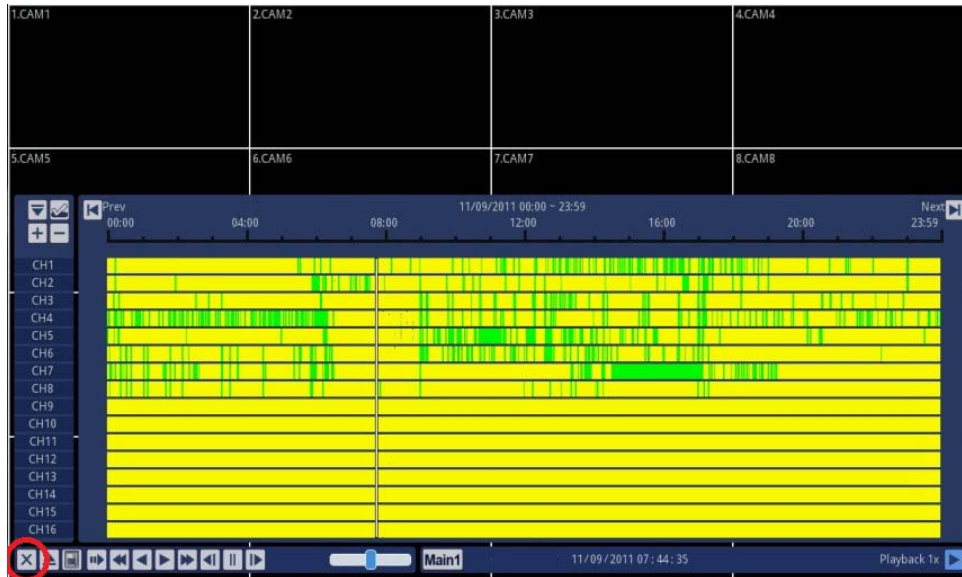
4. Select your desired time of the day.

- Using Front Panel/Remote: Press buttons to highlight the time of the day. Then, use and press button to select your desired time and press button. Your desired video will start playing.
- Using Mouse: Click on the desired time of the day. Your desired video will start playing.



5. To exit out to the Live screen.

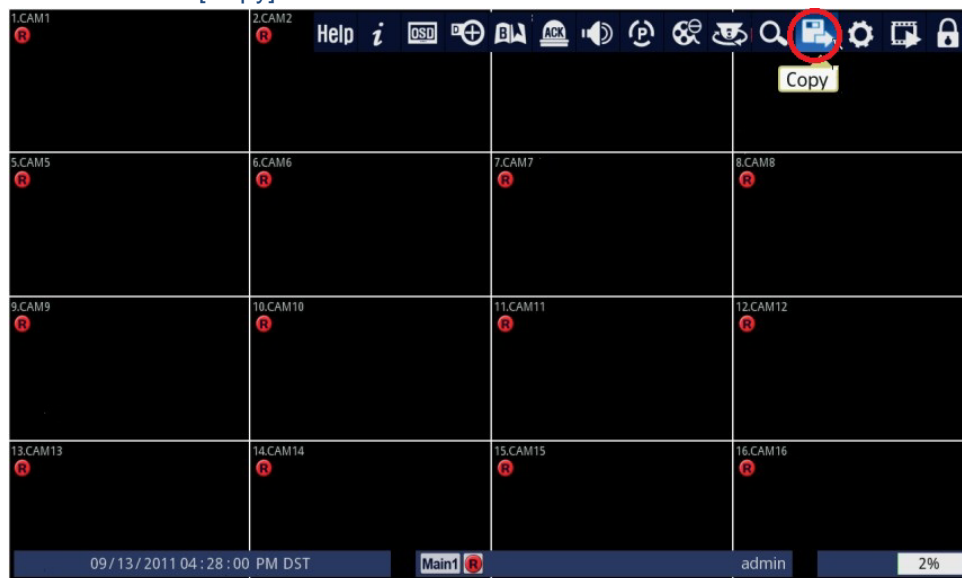
- Front Panel/Remote: Press  button.
- Mouse: Click on the X (Close).









HOW TO COPY VIDEOS INTO CD/DVD/USB

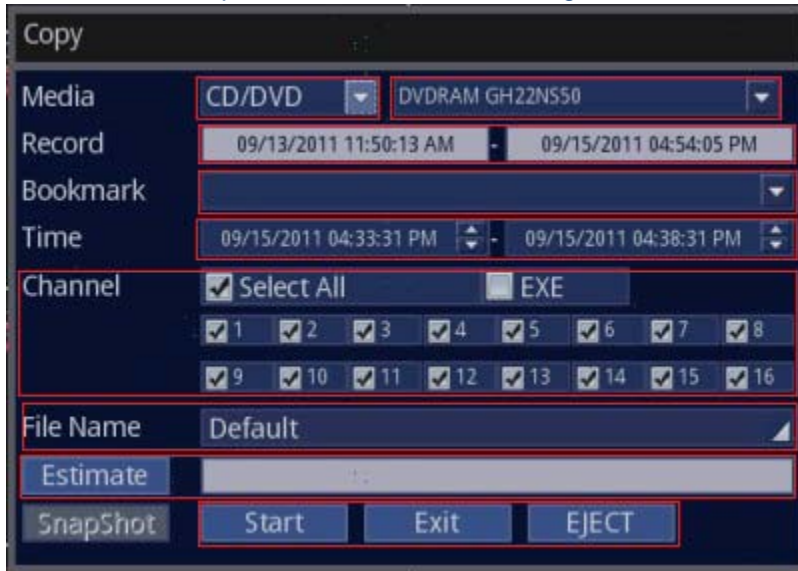
1. Follow the instructions below.

- Using Front Panel/Remote: Press **COPY** button.
- Using Mouse: Click on the [Copy] icon.



2. Set your desired video copy parameters.

- Using Front Panel/Remote: Use and press either     buttons to highlight different parameters and press  button to get into the sub-menu to change the value. When the value is changed, press  button again to save. Values below can be changed.
- Using Mouse: Click on the different parameters and click to change the value. Values below can be changed.



Media: CD/DVD or USB or USB(MP4). USB(MP4) is a industry standardized video file where it can be played in Quick Time or VLC Player. Also, since there can be more one similar devices connected to the DVR, you can also choose which device to use, which is located on the right side of media selection.

Record: Informational purpose only: This section displays the earliest recording date/time to the latest recording time that are present on the DVR.

Bookmark: During playback of video, user could have bookmarked certain section. If it was bookmarked, the lists will show up here.

Time: Enter your desired start and the end time of your video to be copied.

Channel: By factory default, "Select All" is checked, therefore, all the channels or cameras will be copied. However, should you want to copy only the specific cameras, you can unselect "Select All" and check only the cameras that you desire to be copied. NOTE: When "EXE" is checked, DVR will make self executable file where it can be played on any PC without the need of installing NUVICO player software to view the file. Extremely useful if you want to give the copied video to law enforcement and etc.


File Name: By factory default, the file name will be start date/time of the video. Should you want to customize the file name, you can enter it here.

Estimate: If you are unsure about the file size outcome, you can click on "Estimate" and the DVR will estimate the total size of the copied file for you.

Start/Exit/EJECT: When all the values are entered, you can either Start the copying process, Exit the copying process. If you doing CD/DVD copying, you can choose "EJECT" to open the tray to insert blank media.

IMPORTANT NOTE: CD-R or DVD-R mediums only. No RW or + of any kind.

3. To exit out to the Live screen.

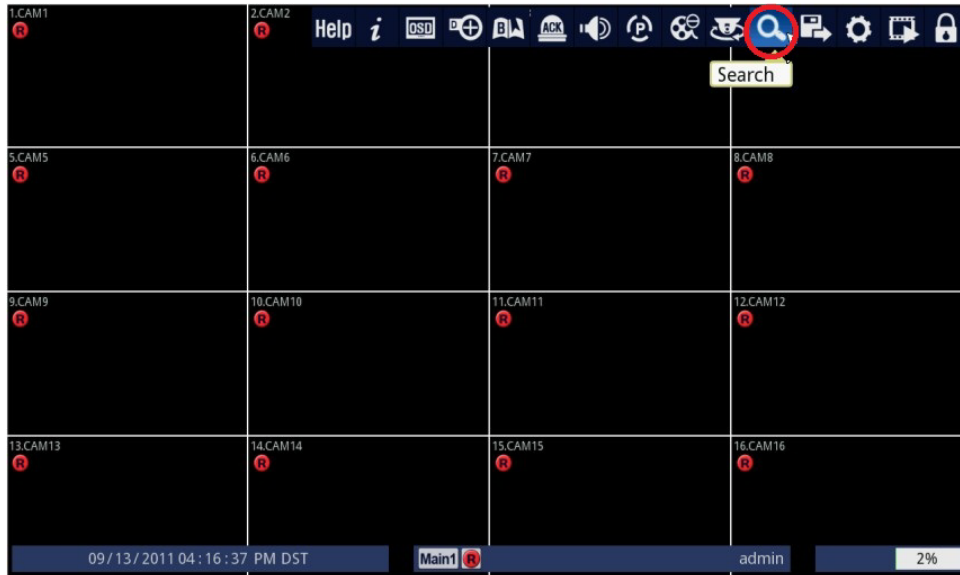
- Front Panel/Remote: Press and hold onto  button for 2 seconds.
- Mouse: Right click on your mouse twice.

HOW TO VIEW COPIED VIDEO






1. Insert the copied medium such CD/DVD or USB Thumbdrive into the DVR.

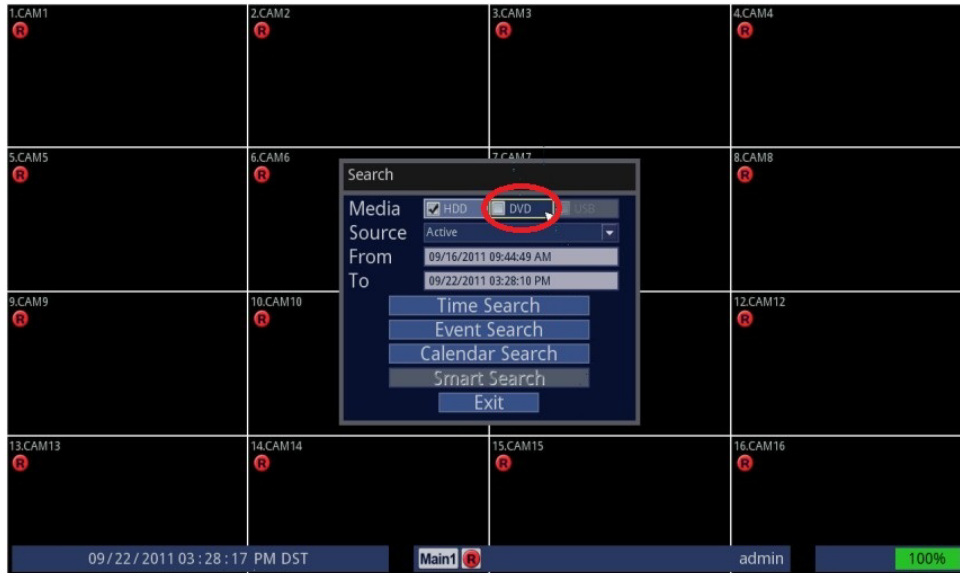
2. Follow the instructions below.

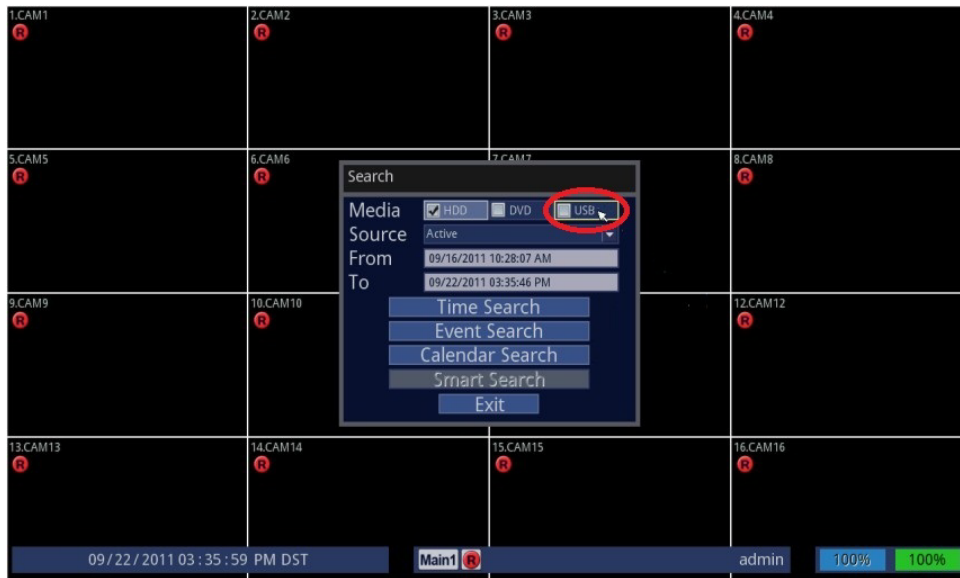
- Using Front Panel/Remote: Press **SEARCH** button.
- Using Mouse: Click on the [Search] icon.



3. Choose your desired medium such as DVD or USB.

- Using Front Panel/Remote: Use and press either     buttons to highlight DVD or USB and press  button to select.
- Using Mouse: Click on either DVD or USB.

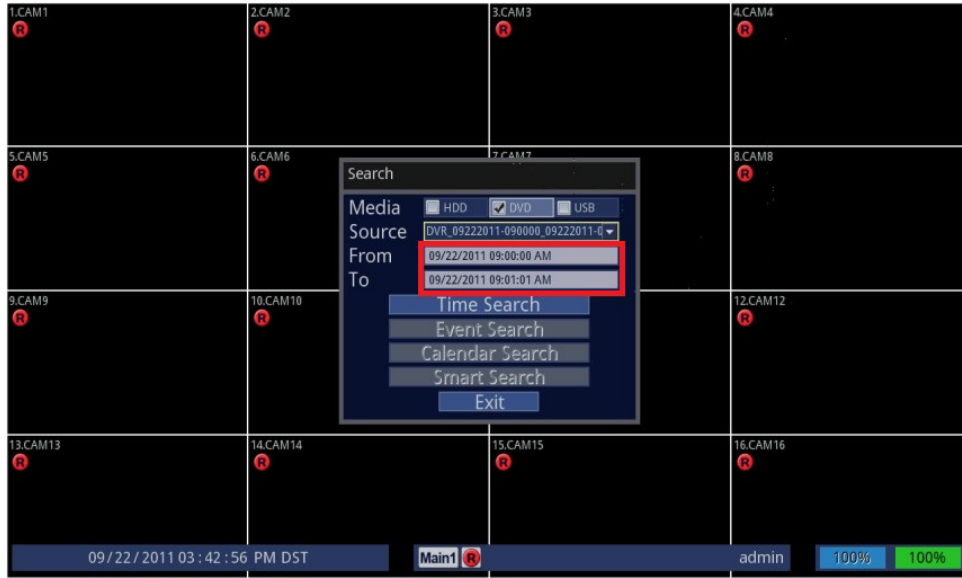




4.DVR will search for video from your desired medium.



5. DVR will display videos that are available on your desired medium.



6. Follow Time Search method that is explained on page 25.

HOW TO LOG IN TO THE DVR




To start using the DVR, first, you have to log in.

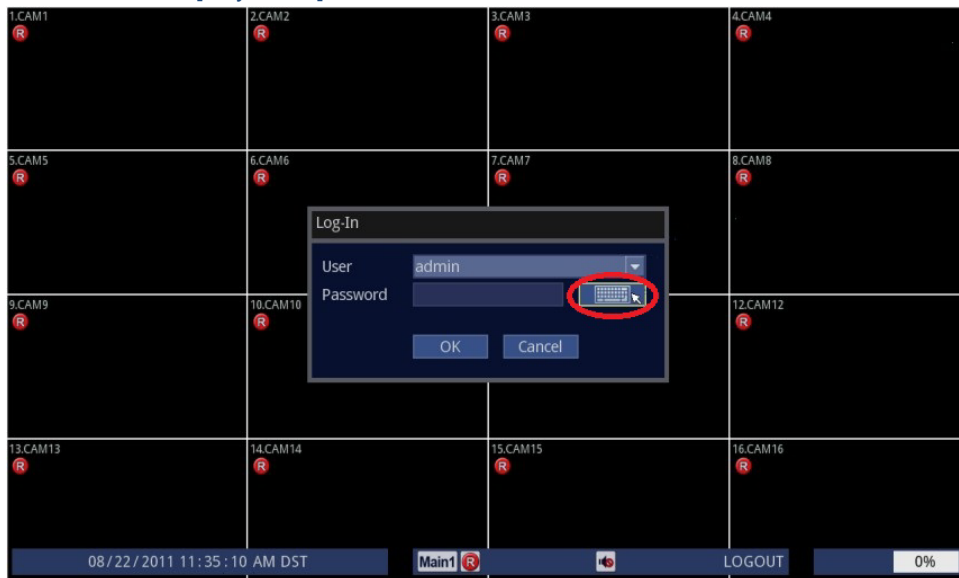
1. Follow the instructions below.

- Using Front Panel/Remote: Press **LOCK** button.
- Using Mouse: Click on the [Log In] icon.













2. You need to input admin password [0 0 0 0 0] for the DVR.

- Using Front Panel/Remote: Use and press either     buttons repeatedly to highlight [Keyboard] icon. Then, press  button.
- Using Mouse: Click on the [Keyboard] icon.




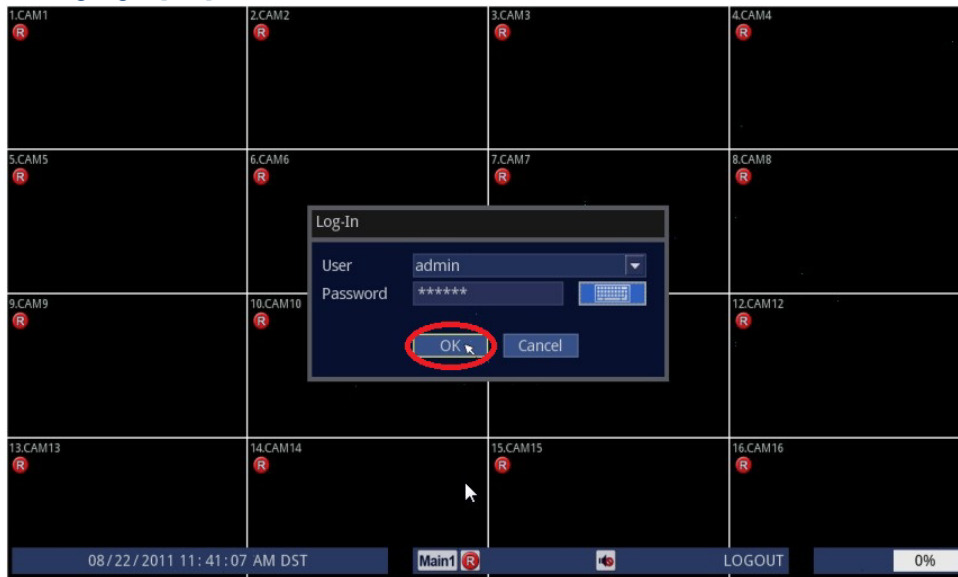
3. On screen keyboard should now appear. The default admin password for the DVR is [0 0 0 0 0].

- Using Front Panel/Remote: Use and press either     button repeatedly to highlight [0], then, press  button six times. Finally use and press either     button to highlight [↵] and press  button.
- Using Mouse: Highlight [0] and click six times, then, highlight [↵] and click.



4. Lastly, when you select [OK] you are now logged on as admin.

- Using Front Panel/Remote: Press  button repeatedly until you highlight [OK] and press  button.
- Using Mouse: Highlight [OK] and click.





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