Quick Setup Guide

Speco Technologies HT Series HD-TVI & IP Full Hybrid DVRs

Please go to www.specotech.com/software-updates.html for the latest software

Congratulations on purchasing your new HT DVR. We hope that this Quick Setup Guide will help you quickly setup and configure your new Speco Technologies DVR.

Thank you!

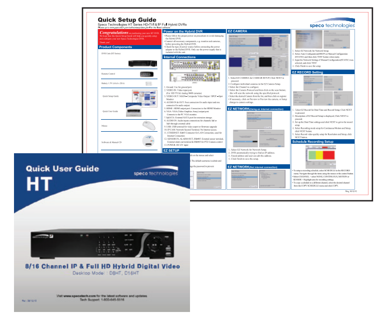
Product Components

DVR Unit (HT Series)

Remote Control

Battery 1.5V (AAA x 2EA)

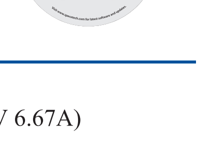
Quick Setup Guide



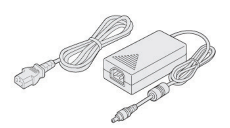
Quick User Guide

Mouse

Software & Manual CD



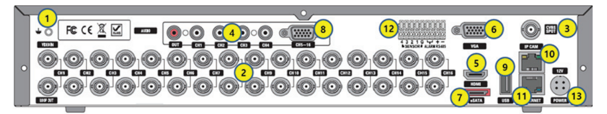
Adaptor (D8HT : DC12V 5A, D16HT : DC12V 6.67A)
& AC Power Cable(110V or220V)



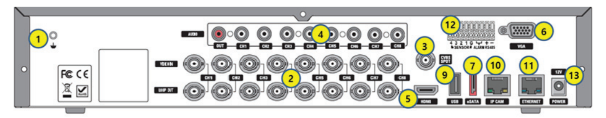
Power on the Hybrid DVR

- Please follow the proper power on procedures to avoid damaging the Hybrid DVR.
- Connect all necessary components, e.g. monitor and cameras, before powering the Hybrid DVR.
- Check the type of power source before connecting the power adaptor to the Hybrid DVR. Only use the power supply that is included with the unit.

Internal Connections



D16HT

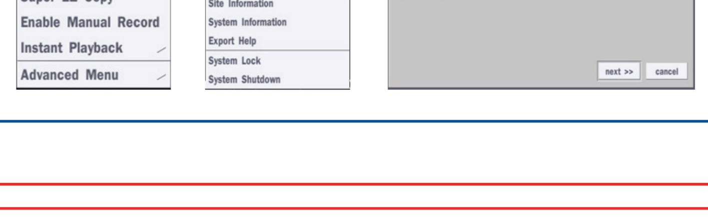


D8HT

1. Ground: Use for ground port.
2. VIDEO IN: Video input port.
   (For HD TVI & Analog 960H cameras)
3. VIDEO OUT: MAIN – Composite Video Output / SPOT – Spot Monitor
4. AUDIO IN & OUT: Four connectors for audio input and one connector for audio output.
5. HDMI : HDMI output port. Connectors to the HDMI Monitor
6. VGA: VGA (Video Graphics Array) output port.
   Connects to the PC VGA monitor.
7. E-SATA: External SATA port for extension storage.
8. AUDIO IN: Audio inputs connections for channels 5-8 or 5-16 through external cable
9. USB: USB terminal for video export or firmware upgrade
10. IP CAM: Network Second Terminal. No Internet access.
11. ETHERNET: RJ-45 Connector for LAN Connection, used for Internet Connection
12. SENSOR IN, ALARM OUT, RS-485: External sensor terminal, External alarm out terminal & RS-485 for PTZ Camera control
13. POWER: DC12V input

EZ Setup

- To start the EZ Setup, right click on the mouse and select ADVANCED MENU
- User have to set the password after the language selection.



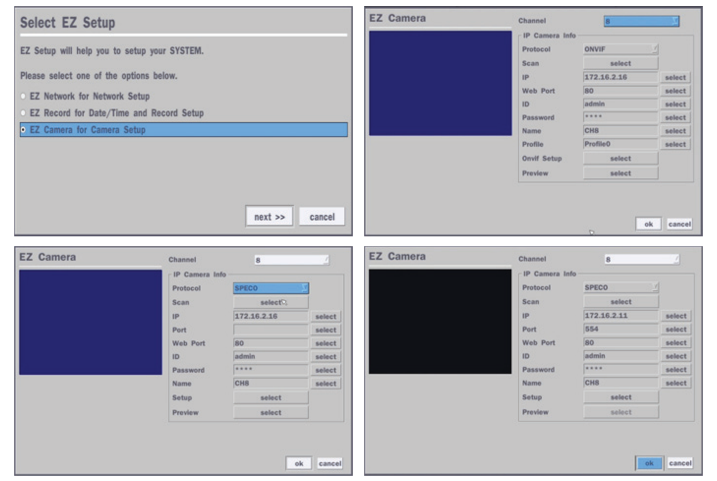
Select EZ Setup

EZ Setup will help you to setup your SYSTEM.

Please select one of the options below.

● EZ Network for Network Setup
○ EZ Record for Date/Time and Record Setup
○ EZ Camera for Camera Setup

EZ Camera



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○ EZ Record for Date/Time and Record Setup
● EZ Camera for Camera Setup

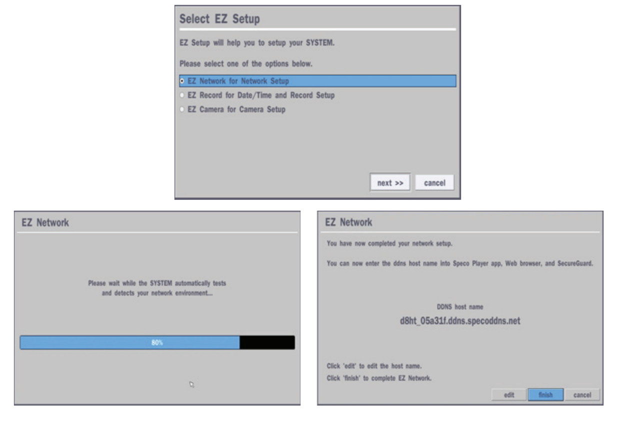
EZ Camera: Channel 8; IP Camera Info; Protocol ONVIF; IP 172.16.2.16; Web Port 80; ID admin; Password ****; Name CH8; Profile Profile0

EZ Camera: Channel 8; IP Camera Info; Protocol SPECO; IP 172.16.2.16; Web Port 80; ID admin; Password ****; Name CH8

EZ Camera: Channel 8; IP Camera Info; Protocol SPECO; IP 172.16.2.11; Port 554; Web Port 80; ID admin; Password ****; Name CH8

1. Select EZ CAMERA for CAMEAR SETUP, Click NEXT to proceed.
2. Configure individual cameras in the EZ Camera Setup.
- Select the Channel to configure.
- Select the Camera Protocol and then click on the scan button; this will scan the network using the specified protocol.
- Select the desired Camera from the list, and then click on register.
- If necessary, click on Preview to Preview the camera, or Setup change to camera settings.

EZ Network(Using an internet connection)



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Please select one of the options below.

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○ EZ Record for Date/Time and Record Setup
○ EZ Camera for Camera Setup

EZ Network

Please wait while the SYSTEM automatically tests and detects your network environment...

EZ Network

You have now completed your network setup.

You can now enter the ddns host name into Speco Player app, Web browser, and SecureGuard.

DDNS host name

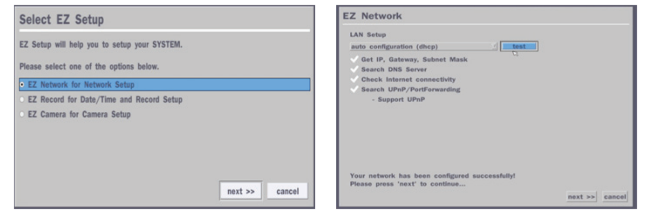
d8ht_05a31f.ddns.specoddns.net

Click 'edit' to edit the host name.

Click 'finish' to complete EZ Network.

1. Select EZ Network for Network Setup.
2. DVR automatically trying to find an IP address.
3. Found address and user can edit the address.
4. Click Finish to save the setup.

EZ Network(Not internet connection)



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Please select one of the options below.

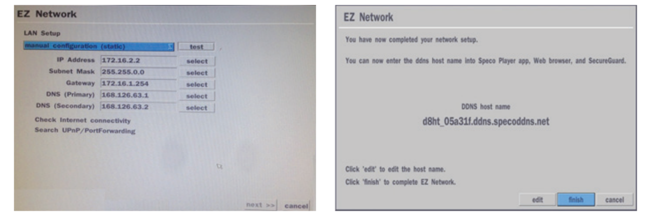
● EZ Network for Network Setup
○ EZ Record for Date/Time and Record Setup
○ EZ Camera for Camera Setup

EZ Network

LAN Setup: auto configuration (dhcp)

✓ Get IP, Gateway, Subnet Mask
✓ Search DNS Server
✓ Check Internet connectivity
✓ Search UPnP/PortForwarding
- Support UPnP

Your network has been configured successfully!
Please press 'next' to continue...



EZ Network

LAN Setup: manual configuration (static)

IP Address 172.16.2.2
Subnet Mask 255.255.0.0
Gateway 172.16.1.254
DNS (Primary) 168.126.63.1
DNS (Secondary) 168.126.63.2
Check Internet connectivity
Search UPnP/PortForwarding

EZ Network

You have now completed your network setup.

You can now enter the ddns host name into Speco Player app, Web browser, and SecureGuard.

DDNS host name

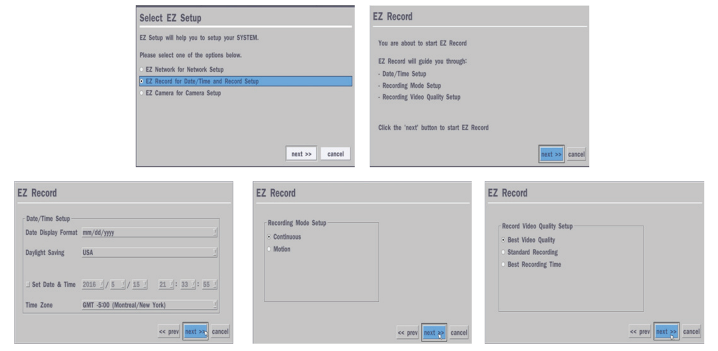
d8ht_05a31f.ddns.specoddns.net

Click 'edit' to edit the host name.

Click 'finish' to complete EZ Network.

1. Select EZ Network for Network Setup.
2. Select Auto Configuration(DHCP) or Manual Configuration (STATIC) and then click TEST button when ready.
3. Input the Network Settings if Manual Configuration(STATIC) was selected, and click TEST
4. Click Finish to save the setup.

EZ Record Setting



Select EZ Setup

EZ Setup will help you to setup your SYSTEM.

Please select one of the options below.

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● EZ Record for Date/Time and Record Setup
○ EZ Camera for Camera Setup

EZ Record

You are about to start EZ Record

EZ Record will guide you through:
- Date/Time Setup
- Recording Mode Setup
- Recording Video Quality Setup

Click the 'next' button to start EZ Record

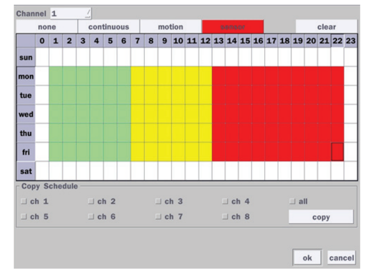
EZ Record: Date/Time Setup — Date Display Format mm/dd/yyyy; Daylight Saving USA; Set Date & Time 2016/5/15 21:33:55; Time Zone GMT -5:00 (Montreal/New York)

EZ Record: Recording Mode Setup — ● Continuous ○ Motion

EZ Record: Record Video Quality Setup — ● Best Video Quality ○ Standard Recording ○ Best Recording Time

1. Select EZ Record for Date/Time and Record Setup, Click NEXT to proceed.
2. Description of EZ Record Setup is displayed, Click NEXT to proceed.
3. Set up the Date/Time settings and click NEXT to get to the record setup.
4. Select Recording mode setup for Continuous/Motion and Setup, click NEXT button.
5. Select Record video quality setup for Resolution and Setup, click NEXT button.

Schedule Recording Setup



- To setup a recording schedule, select SCHEDULE in the RECORD menu. Navigate through the items using the mouse or the control button.
- Select CHANNEL > select NONE, CONTINUOUS, MOTION or SENSOR > Highlight area for recording settings.
- To copy a schedule to a different channel, select the desired channel from the COPY SCHEDULE menu and click COPY.

Rev. 18/12/15

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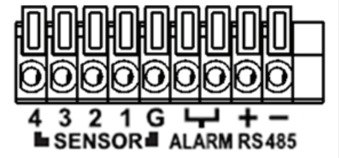
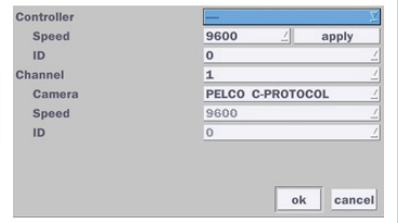
Quick Setup Guide

Speco Technologies HT Series Hybrid DVRs

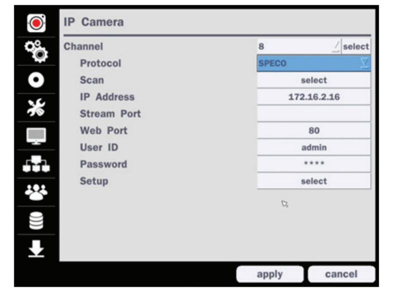
Pin Definition of Alarm I/O & RS-485





Controller
Speed 9600
ID 0
Channel 1
Camera PELCO C-PROTOCOL
Speed 9600
ID 0

IP Camera Setup

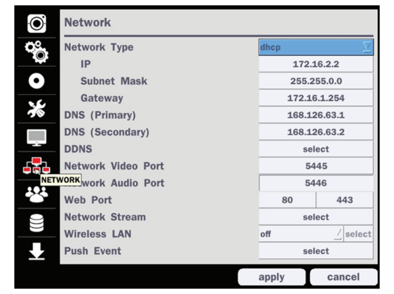


IP Camera
Channel 8
Protocol SPECO
Scan select
IP Address 172.16.2.16
Stream Port
Web Port 80
User ID admin
Password ****
Setup select

Select the IP Camera tab.

- CHANNEL: Enable/Disable On-Screen Display
- PROTOCOL: Select the protocol (SPECO,ONVIF or HIK Vision).
- SCAN: Will Automatically search the IP Camera
- IP: Setup IP Camera address
- PORT: Setup a Camera Port (Default: 554)
- WEB PORT: Setup Web Port(Default: 80)
- ID: Setup IP Camera Connect ID
- PASSWORD: Set up IP Camera Connect Password
- SETUP: IP Camera Video Setup(Resolution, Frame rate and Bitrate)

Network Setup

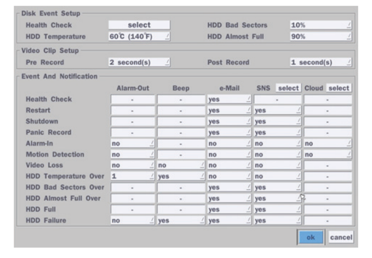


Network
Network Type dhcp
IP 172.16.2.2
Subnet Mask 255.255.0.0
Gateway 172.16.1.254
DNS (Primary) 168.126.63.1
DNS (Secondary) 168.126.63.2
DDNS select
Network Video Port 5445
Network Audio Port 5446
Web Port 80 443
Network Stream select
Wireless LAN off
Push Event select

Select the NETWORK tab.

- For DHCP, set the Network Type for DHCP and exit to the menu. The IP address, Subnet Mask, Gateway and DNS settings are retrieved from network servers.
  DHCP is dynamic and the settings will change from time to time.
- For Static, set the Network Type to Static.
  Enter the IP address, Subnet Mask, Gateway and DNS.
  Obtain this information from the network service provider.
- The Client Access must be ON for the DVR to be accessed remotely.
- Enable DDNS for free DDNS name server

Alarm I/O Setup



Disk Event Setup
Health Check select
HDD Temperature 60℃ (140℉)
HDD Bad Sectors 10%
HDD Almost Full 90%
Video Clip Setup
Pre Record 2 second(s)
Post Record 1 second(s)
Event And Notification

- In the SETUP menu, select the SYSTEM tab and click on System Event Notification.
- Set the sensor, motion and video loss for triggering alarm relay output.
- HDD Error and Video Loss can also trigger beeping

Connect the DVR via Web-Browser Viewer

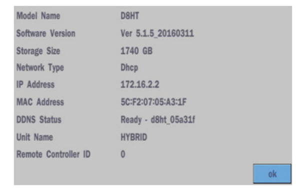
Setup Requirements

- Make sure PC is connected to the Internet.
- Make sure DVR is already setup following the Network Setup steps.

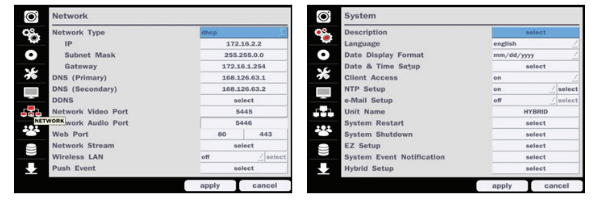
Internet Settings

- Start Internet Explorer;
  go to 'Tools' → 'Internet Options'→ 'Security' tab.
- Select 'Trusted sites' and click 'Sites' to specify its security setting.
- Enter the IP address of the DVR in this zone
- In the Security Level area, click 'Custom Level'. Under 'ActiveX controls and plug-ins', set all items to 'Enable' or 'Prompt'.
- Click 'OK' to accept the settings and close the 'Security Settings' screen.

Obtain Network Information of the DVR



Model Name D8HT
Software Version Ver 5.1.5_20160311
Storage Size 1740 GB
Network Type Dhcp
IP Address 172.16.2.2
MAC Address 5C:F2:07:05:A3:1F
DDNS Status Ready - d8ht_05a31f
Unit Name HYBRID
Remote Controller ID 0



Network
Network Type dhcp
IP 172.16.2.2
Subnet Mask 255.255.0.0
Gateway 172.16.1.254
DNS (Primary) 168.126.63.1
DNS (Secondary) 168.126.63.2
DDNS select
Network Video Port 5445
Network Audio Port 5446
Web Port 80 443
Network Stream select
Wireless LAN off
Push Event select

System
Description select
Language english
Date Display Format mm/dd/yyyy
Date & Time Setup select
Client Access on
NTP Setup on
e-Mail Setup off
Unit Name HYBRID
System Restart select
System Shutdown select
EZ Setup select
System Event Notification select
Hybrid Setup select

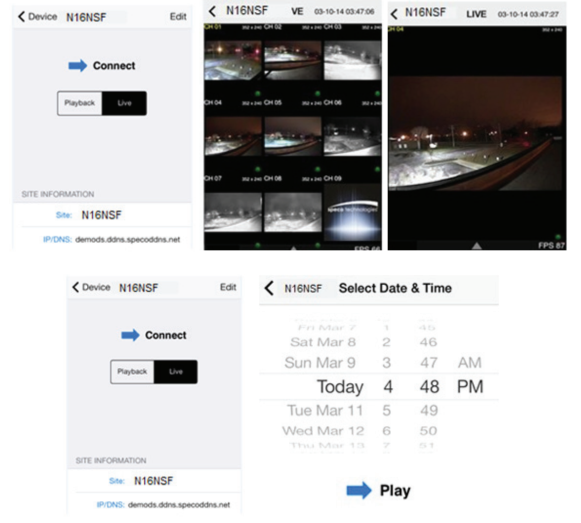
- Obtain IP address from System Information from the Sub Menu.
- In the SETUP menu, select the SYSTEM tab and enable CLIENT ACCESS.
- In the SETUP menu, select the NETWORK tab and click on NETWORK PORT. Obtain the network and web port number.
- Start Internet Explorer and enter the IP address and port of the DVR.
- For example: http:// [ip address] : [port] → http://172.16.2.41:80
- The ActiveX controls and plug-ins dialog will be prompted for installation.

- Install the plug-ins.
- Click on 'Connect' and enter the username and password of the DVR.
- The default usernames and passwords are admin/ 1111 and user1/ 1111.

Mobile View Software

The DVR provides mobile surveillance software for the iPhone® and the Android™.

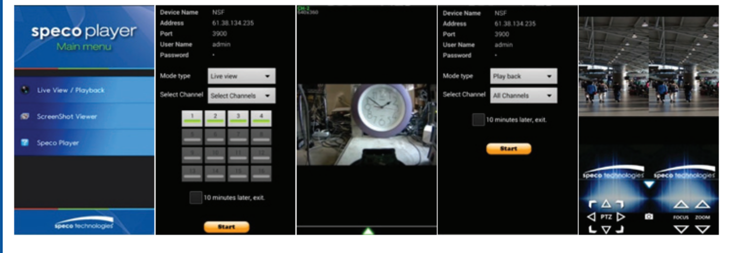
iPhone®



- Search for 'Speco Player' in the Apple App Store and install the app.
- Select the ADD menu and enter site information. Click ADD to save the site information.
- Select the saved site from "Devices".
- Select a channel(s) to view.
- Select Playback/Live then click CONNECT.

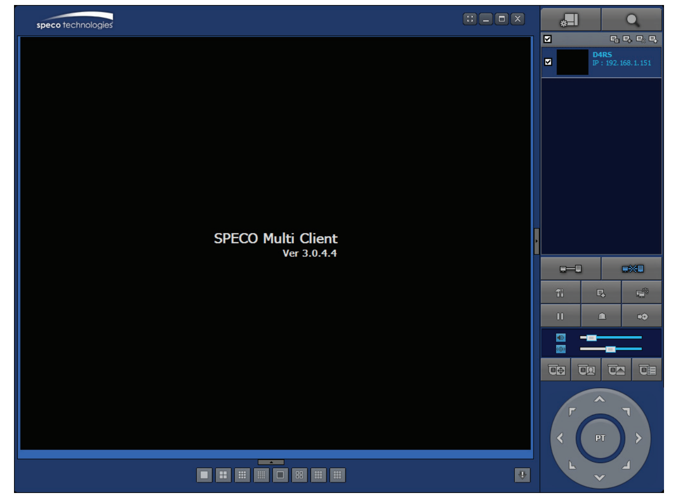
Android™

- Search for 'Speco Player' in the Android Market and install the app.



- Select the ADD menu and enter site information.
  Click ADD to save the site information.
- Select the saved site from "Devices" for network connection.
- Select a channel and select Live view or Playback.
- Click START button.

Connect the DVR via SpecoTech Multi-Client Viewer Software



SpecoTech Multi-Client Viewer Software is a multiple site monitoring client software that allows streaming of video and audio, and transmission of alarm signals from the DVRs over the network.
The SpecoTech Multi-Client can display up to 16 DVRs and supports dual monitors.

By attaching a microphone and speaker system to devices on site, the user may make bi-directional audio communication over the network.

Refer to the complete manual for more information.

The SpecoTech Multi-Client Viewer Software and manual are included on the CD.

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Speco Technologies is constantly developing and improving products.
We reserve the right to modify product design and specifications without notice and without incurring any obligation. Rev. 12.26.12

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