This guide will show you how to set up your system for connection over the Internet using a PC, Smartphone, or Tablet.

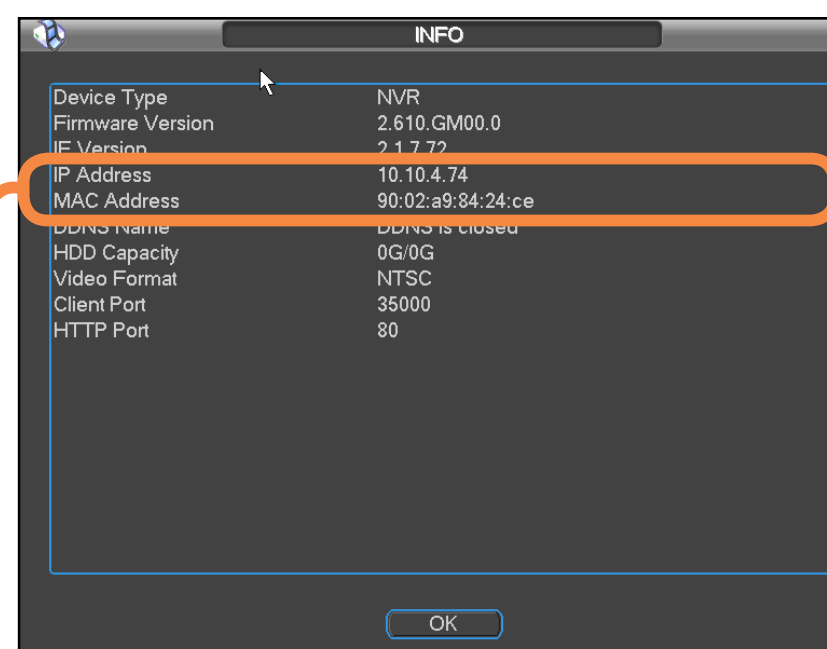**STOP**

Before You Start:

Make sure you have:
- A router and high-speed Internet access (not included).
- Connected the NVR to a router or switch on your network using an Ethernet cable. (See the Quick Connection Guide for details).
- A PC connected to the same network as your NVR.

Mac users, please visit www.digimerge.com for instructions.

1 Find Your IP and MAC Address

Press the **Enter** button on the front panel of the NVR or on the remote control.

Record your information below:

IP ADDRESS: _____._____._____._____

MAC ADDRESS: _____-_____-_____-_____-_____-_____

INFO

Device Type	NVR
Firmware Version	2.610.GM00.0
IP Version	2.1.7.72
IP Address	10.10.4.74
MAC Address	90:02:a9:84:24:ce
DDNS Name	DDNS is closed
HDD Capacity	0G/0G
Video Format	NTSC
Client Port	35000
HTTP Port	80

OK

2 Local Connection (for PC)

a Install **CMS software for PC** from the CD or from **www.digimerge.com** on a computer in the same LAN as the NVR.

b Click **Config Manager>Device Manage**.

c Click **Search Device**. If a Windows Firewall alert appears, click **Allow**.

d Check the NVR and click **Add Management**.

Click **Search Device**

Check the NVR

Click **Add Management**

e Enter the User Name (default: **admin**) and Password (default: **000000**) for the NVR and click **OK**.

f Click **OK**.

g Click **Device List**. Click **+** next to **No Group**.

h Double-click the NVR. Click-and-drag the NVR to the display area to view.

Click **Device List**

Click-and-drag the NVR to the display area to view

Click **+** next to **No Group**

Double-click the NVR

3 Port Forwarding

Manually forward ports 80 and 35000 to the NVR's IP address.

All routers are different. To port forward your router, please refer to your router's user manual.

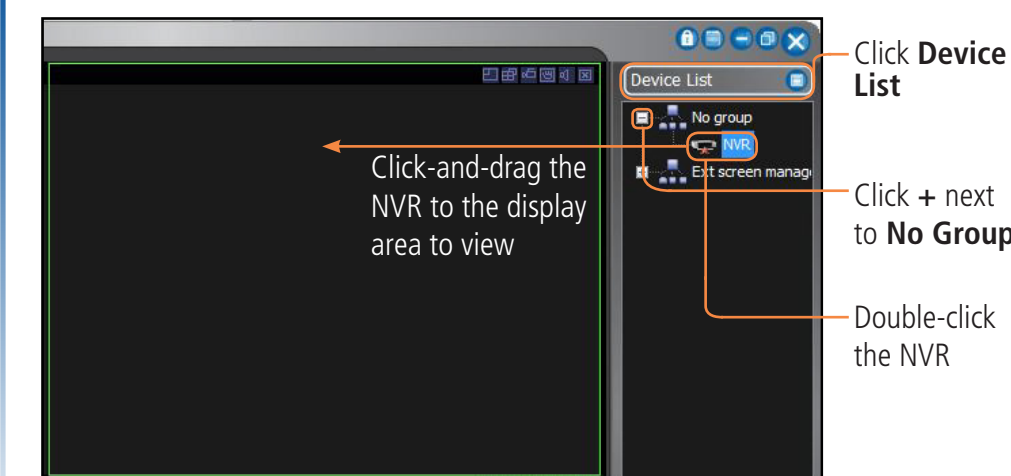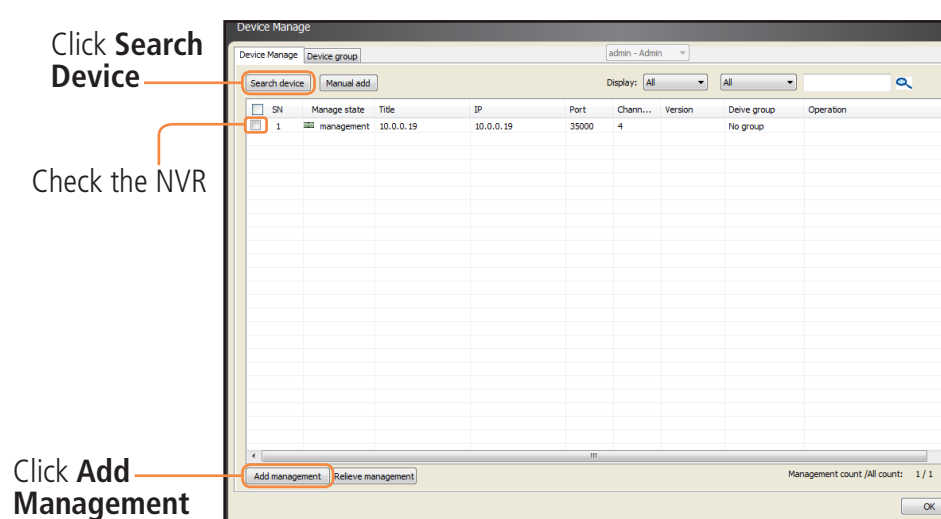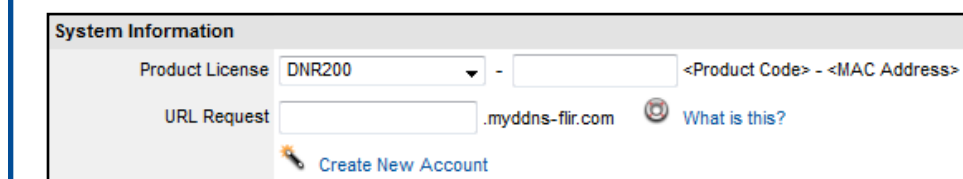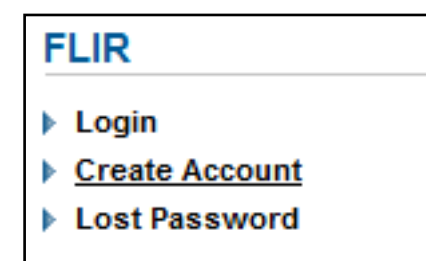An example of a port forwarding screen is shown for illustration purposes:

EXAMPLE

Port Range

Application	Start		End	Protocol	IP Address	Enable
HTTP	80	to	80	Both	192.168.1. 12	☑
Client	35000	to	35000	Both	192.168.1. 12	☑

NOTE: An automatic port forwarding wizard is available from **www.digimerge.com**.

4 Register for FLIR DDNS

a Open your web browser and go to:

http://ddns.myddns-flir.com

b Click **Create Account**.

FLIR
- Login
- Create Account
- Lost Password

c Complete the Account Information fields with your personal information. Complete the Warranty Information with your purchase details (optional).

d Complete the System Information fields:

System Information

Product License	DNR200 - <Product Code> - <MAC Address>
URL Request	.myddns-flir.com What is this?

Create New Account

Product License:
Select your product model from the **Product License** drop down menu (i.e. DNR200).

URL Request:
Choose a URL for your DDNS connection (i.e. your name, your company or business name, or anything of your choice).

<Product Code>-<MAC Address>:
Locate the MAC address of your NVR (press the **Enter** button on the remote control or front panel to find the MAC address.
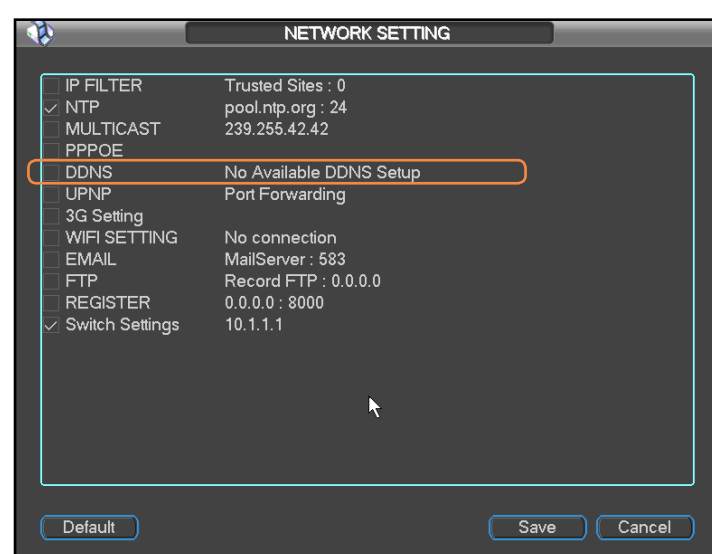
e Once the information has been entered, click **Create New Account**. Your Account information will be sent to you at the email Address you used in Step c.

f Record your information here:

DDNS User Name: _____

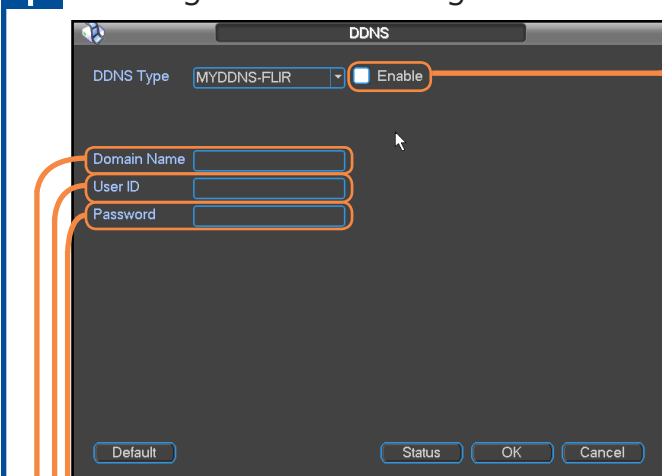DDNS Domain Name: _____

DDNS Password: _____

5 Enable DDNS on your DVR

Once you have registered for free DDNS service, use the information in the confirmation email (recorded in Step 4f) to configure DDNS settings on your system.

a In live view, right-click and then click **Main Menu**. Login using the admin account if prompted (Default User Name: **admin**; Default Password: **000000**).

b Click **Setting>Network**.

c Click **Network Setting**.

d Check **DDNS**.

e Double-click **DDNS**.

NETWORK SETTING

IP FILTER	Trusted Sites : 0
NTP	pool.ntp.org : 24
MULTICAST	239.255.42.42
PPPOE	
DDNS	No Available DDNS Setup
UPNP	Port Forwarding
3G Setting	
WIFI SETTING	No connection
EMAIL	MailServer : 583
FTP	Record FTP : 0.0.0.0
REGISTER	0.0.0.0 : 8000
Switch Settings	10.1.1.1

Default   Save   Cancel

f Configure the following:

DDNS

DDNS Type   MYDDNS-FLIR   ■ Enable

Domain Name
User ID
Password

Default   Status   OK   Cancel

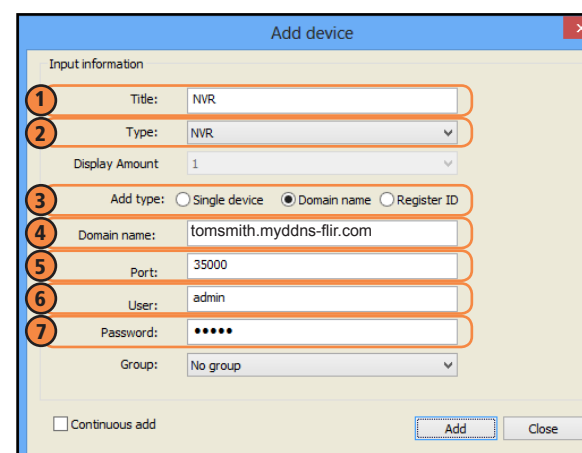Ensure **Enable** is checked. The checkbox will be white when DDNS is enabled.

Domain Name: Enter the **Domain Name** from the confirmation email you received after registering for DDNS.
User ID: Enter the **User Name** from the confirmation email.
Password: Enter the **Password** from the confirmation email.

g Click **OK**.

NOTE: It may take between 10~15 minutes for the DDNS server to update with your new DDNS address.

6 Connect Over the Internet

a Install **CMS software for PC** from the CD or from **www.digimerge.com** on a remote computer.

b Click **Config Manager>Device Manage**.

c Click **Manual Add**.

d Configure the following:

Add device

Input information

1. Title: NVR
2. Type: NVR
Display Amount   1
3. Add type: ○ Single device ● Domain name ○ Register ID
4. Domain name: tomsmith.myddns-flir.com
5. Port: 35000
6. User: admin
7. Password: ●●●●●
Group: No group

☐ Continuous add   Add   Close

1 **Title:** Enter a name of your choice.

2 **Type:** Select **NVR**.

3 **Add type:** Select **Domain name**.

4 **Domain name:** Enter the DDNS Domain Name (recorded in 4f) followed by **.myddns-flir.com**.

5 **Port:** Enter Client Port (default: **35000**).

6 **User:** Enter User Name (default: **admin**)

7 **Password:** Enter **Password** (default: **000000**)

e Click **Add**, then click **OK**.

f Click **Device List**.

g Click **+** next to **No Group**.

h Double-click the NVR. Click-and-drag the NVR to the display area to view.

Click **Device List**

Device List
No group
NVR

Click-and-drag the NVR to the display area to view

Click **+** next to **No Group**

Double-click the NVR
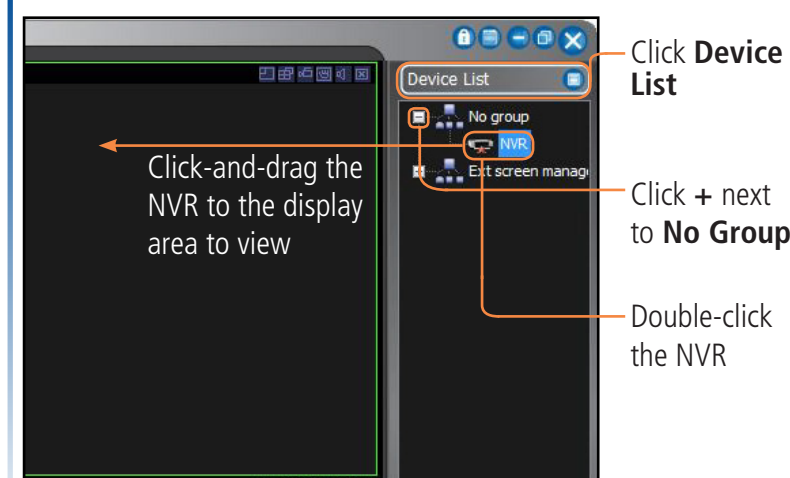
Quick Reference

Default passwords:

	User Name	Password
Local System Access, Remote Access, and Mobile Connection	• admin	• 000000
CMS Software Login	• admin	• admin

Default system ports:

- **HTTP Port:** 80
- **Client Port:** 35000
- **UDP:** 35001 (special applications only)
- **RTSP:** 554 (special applications only)

All ports must be port forwarded to enable access to the system over the Internet. See Step 3 for details.
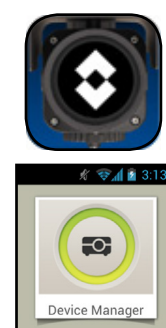
Troubleshooting

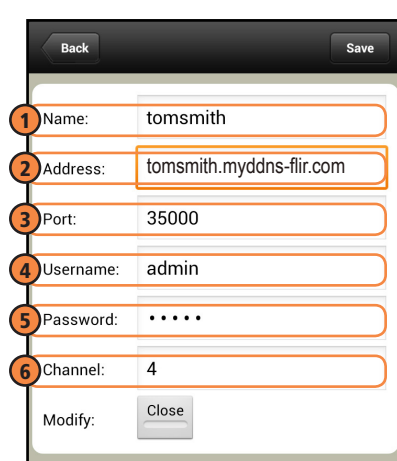| Error	Possible Causes	Solutions
Cannot connect to the NVR over the Internet	• Ports not forwarded	• Port forward the ports shown above. See Step 3 for details.
	• DDNS Setup not completed	• Complete Steps 4 & 5 to register your NVR for DDNS.
	• Ports are blocked by Internet Service Provider (ISP)	• Some ISP's block port 80. Reassign the HTTP port to anything above 1026. Re-complete Step 3 with the new port number. If this does not work, contact your ISP for assistance.
	• Multiple routers installed in local network	• If you have multiple routers, additional setup may be required. See the Port Forward Wizard Manual on the CD for details.
Could connect to system previously, but no longer can	• NVR internal IP address has changed	• This can occur if your router resets due to power failure. Set up a fixed IP address for your NVR. See the Instruction Manual on the CD for details.
Cannot connect to the NVR using a smartphone or tablet	• IP address used from outside local network	• Use the DDNS address to connect to the NVR using a mobile application. See Step 7.
	• Router is blocking DDNS connection from internal network	• Turn off WiFi connection and attempt to connect using 3G or mobile network

7 Mobile Connection

NOTE: You must complete ALL previous steps before connecting using a mobile device. For other mobile platforms, visit **www.digimerge.com** for details.

iPhone

a Install **FLIR SyncroIP NVR** for free from the App Store.

b Tap the **FLIR SyncroIP NVR** icon.

c Tap ▦.

d Tap **Device Manager**.

e Tap **Add>Manually Add**.

f Configure the following, then tap **Save**:

1. **Name:** Enter a name for your NVR of your choice.
2. **Address:** Enter your DDNS address (e.g. tomsmith.myddns-flir.com).
3. **Port:** Enter the Client Port (default: **35000**).
4. **Username:** Enter the NVR's User Name (default: **admin**).
5. **Password:** Enter the NVR's Password (default: **000000**).
6. **Channel:** Enter the number of channels your NVR has.

Back   Save
1 Name: tomsmith
2 Address: tomsmith.myddns-flir.com
3 Port: 35000
4 Username: admin
5 Password: ●●●●●
6 Channel: 4
Modify: Close

g Tap ▦, then tap **Live Preview**.

h Tap **+** on one of the display areas and select the camera you would like to open in selected display area. Repeat to view additional cameras.

iPad

a Install **FLIR SyncroIP NVR HD** for free from the App Store.

b Tap the **FLIR SyncroIP NVR HD** icon.

c Tap ▦, then ⚙.

d Tap **Device Manager**, and then tap **Add**.
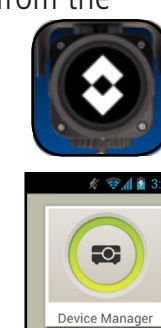
e Configure the following, then tap **Save**:

1. **Name:** Enter a name for your NVR of your choice.
2. **Address:** Enter your DDNS address (e.g. tomsmith.myddns-flir.com).
3. **Port:** Enter the Client Port (default: **35000**).
4. **User Name:** Enter the NVR's User Name (default: **admin**).
5. **Password:** Enter the NVR's Password (default: **000000**).
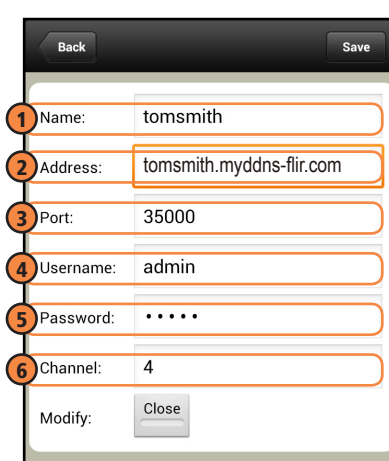6. **Channel amount:** Enter the number of channels your NVR has.

Cancel   New Device   Save
1 Name: NVR
2 Address: tomsmith.myddns-flir.com
3 Port: 35000
4 User Name: admin
5 Password: ●●●●●
6 Channel amount: 4

f Tap ↩.

g **In landscape mode:**
• Tap a channel and then select the camera you would like to view on the left.

In portrait mode:
• Tap **+** on one of the display areas and select the camera you would like to open.

Android

a Install **FLIR SyncroIP NVR** for free from the Google Play Store.

b Tap the **FLIR SyncroIP NVR** icon.

c Tap ▦.

d Tap **Device Manager**.

e Tap **Add>Manually Add**.

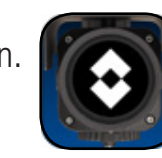**f** Configure the following, then tap **Save**:

1. **Name:** Enter a name for your NVR of your choice.
2. **Address:** Enter your DDNS address (e.g. tomsmith.myddns-flir.com).
3. **Port:** Enter the Client Port (default: **35000**).
4. **Username:** Enter the NVR's User Name (default: **admin**).
5. **Password:** Enter the NVR's Password (default: **000000**).
6. **Channel:** Enter the number of channels your NVR has.

Back   Save
1 Name: tomsmith
2 Address: tomsmith.myddns-flir.com
3 Port: 35000
4 Username: admin
5 Password: ●●●●●
6 Channel: 4
Modify: Close

g Tap ▦, then tap **Live Preview**.

h Tap **+** on one of the display areas and select the camera you would like to open in selected display area. Repeat to view additional cameras.

Android Tablet

a Install **FLIR SyncroIP NVR HD** for free from the Google Play Store.

b Tap the **FLIR SyncroIP NVR HD** icon.

c Tap ▦, then ⚙.

d Tap **Device Manager**, and then tap **Add**.

e Configure the following, then tap **Save**:

1. **Name:** Enter a name for your NVR of your choice.
2. **Address:** Enter your DDNS address (e.g. tomsmith.myddns-flir.com).
3. **Port:** Enter the Client Port (default: **35000**).
4. **User Name:** Enter the NVR's User Name (default: **admin**).
5. **Password:** Enter the NVR's Password (default: **000000**).
6. **Channel amount:** Enter the number of channels your NVR has.

Cancel   New Device   Save
1 Name: NVR
2 Address: tomsmith.myddns-flir.com
3 Port: 35000
4 User Name: admin
5 Password: ●●●●●
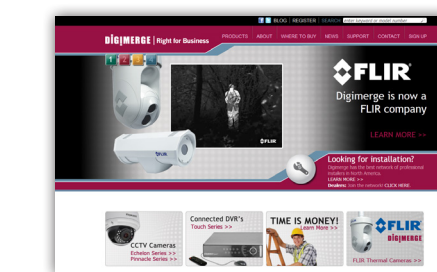6 Channel amount: 4

f Tap ↩.

g **In landscape mode:**
• Tap a channel and then select the camera you would like to view on the left.

In portrait mode:
• Tap **+** on one of the display areas and select the camera you would like to open.

Need Help?

See the complete Instruction Manual on the CD.
OR
Visit www.digimerge.com

For support, visit
www.digimerge.com