1 STEP™ REMOTE VIEWING SOFTWARE INSTALLATION - FOR MAC AND PC
(For initial setup only)

PLEASE FOLLOW THE STEPS BELOW BEFORE INSTALLING AND USING THE 1 STEP™ SOFTWARE.

STEP 1 - DVR/ROUTER SETUP
1. Connect DVR to Monitor/TV. Be sure to connect your DVR following the instructions in your DVR instruction manual.
2. Connect Ethernet cable directly into the Router and to the Ethernet port on the back of your DVR. Confirm that you have a solid green light and an orange blinking light by the Ethernet cable connection.
3. Connect the mouse to the top USB port at the back of DVR.

Please ensure your router is connected to your DVR before powering on the DVR.

STEP 2 - NETWORK TAB
1. Access the MAIN MENU of your DVR using your mouse or remote and click on the NETWORK tab.
2. Check the IP type (mode) and set it to DHCP for initial setup.
3. Reboot the DVR after setting IP type to DHCP (unplug power adapter for 10 seconds and plug back in).
4. Access the MAIN MENU of your DVR and return to the NETWORK section. Write down the following information:
   • Your IP ADDRESS & GATEWAY number as they appear on the screen
   • The CLIENT (MEDIA) port number
   • The HTTP (WEB) port number
   • The MOBILE port number
   • Confirm that the UPNP is set to ENABLE

Please note: The IP ADDRESS & GATEWAY should be populated with numbers (not all zeros). Example only (your numbers will be different): IP ADDRESS 192.168.001.101, GATEWAY 192.168.001.001. If you see all zeros in the IP ADDRESS & GATEWAY fields, the connection is bad between the DVR and your router.

• Ensure the Ethernet cable being used is LESS than 30ft long.
• Disconnect the power to the DVR.
• Check the Ethernet cable connections to both the router and the DVR and that you have a solid green light and an orange blinking light by the Ethernet cable connection.
• Reconnect the power to the DVR.
• Return to the NETWORK tab in your DVR menu to confirm that there is a connection between the DVR and the router.

STEP 3 - INSTALLING THE 1 STEP™ SOFTWARE
This software will port forward the required ports for online viewing to your router automatically.

• Insert your MANUAL & SOFTWARE CD and click on the “1 Step™ Remote Viewing” software link for Mac or PC; the software link is also available on our website at:
  http://www.defender-usa.com/1step
• Follow the on-screen display instructions for installation.
• Be sure to add the software icon to your desktop for easy access.

STEP 4 - LAUNCHING THE 1 STEP™ SOFTWARE
• Go to the icon on your desktop (or your saved location) and double click to launch the 1 Step™ Remote Viewing software.
• A DEFENDER® window will open and the software will immediately start searching for your router.
• Ensure the ports listed in the One Step Software match those in the NETWORK MENU of your DVR (retrieved in Step 2).
• Once you see the DVR SUCCESSFULLY NETWORKED message, a new window will appear with a link to your internal IP address and below it, a link to your external IP address.

Please write down both addresses (EXTERNAL and INTERNAL) as they appear on the screen.

STEP 5 - ONLINE VIEWING
• Click the TOP link for your internal IP address.
• An internet window will open linking you to the online viewing software allowing you to see your cameras.
  • We recommend Internet Explorer® for PC users and Safari® for Mac users.

STEP 6 - DVR SETTINGS
• From the online viewer, go to the NETWORK section and change your IP Type to STATIC then click APPLY.
• This step will prevent your internal IP address from changing.

Please note: If the software has failed to connect to your router automatically, please follow the troubleshooting steps that the software provides in the on-screen display or go to the web link below:
  http://defender-usa.com/support

Disclaimers:
1. 1 Step™ PC software is compatible with Windows XP, Windows Vista, Windows 7 and Windows 8 operating systems; 1 Step™ Mac computer software is compatible with Version 10.6 and higher.
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