

CLINTON Electronics *CONNECTING DVR TO ROUTER*



Cricket CE-CRK, CE-CRK8, CE-CRK16



Contender CE-DVR4, CE-DVR8, CE-DVR16



Pro CE-DVR800, CE-DVR1600

Step 1

Determine Network Settings

On a PC connected to the same router, go to:
Start --> All Programs --> Accessories --> Command Prompt

Type in **ipconfig** and press enter. This will give you the network IP configuration.

For example:
Ethernet Adapter Local Area Connection:
IPv4 Address: 192.168.1.10
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.1.1

*Do not use the default or IP address featured in these examples when installing your DVR. If in doubt, consult your network administrator to obtain an unused IP address.

On your computer:

```

C:\> Command Prompt
Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : CEC
    Link-local IPv6 Address . . . . . : fe80::2d6h:cehab52c:427ez11
    IPv4 Address. . . . . : 192.168.1.10
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : fe80::218:e7ff:fec5:b2hez11
                                192.168.1.1

Tunnel adapter isatap.CEC:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : CEC

Tunnel adapter Teredo Tunneling Pseudo-Interface:

    Connection-specific DNS Suffix  . :
    IPv6 Address. . . . . : 2001:0:4137:9e74:28c2:233b:3f57:ff9a
    Link-local IPv6 Address . . . . . : fe80::28c2:233b:3f57:ff9a:14
    Default Gateway . . . . . :
    
```

Step 2

Input DVR Settings

The DVR must have the same Subnet Mask and Default Gateway as computer.

For example:
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.1.1

The DVR IP address must contain the same first 3 sets of numbers as computer's IP address. The last set of numbers can range from 025-253, but **must be different** than the computer.

For example:
IP address: 192.168.1.25

To check if the selected IP address is available, go to Command Prompt and type:

ping [space] desired IP address, and press enter

For example: ping 192.168.1.25
If the desired IP address is available, reply will be:
"Request timed out" with 100% loss.

If the desired IP address is already taken, reply will be:

"Reply from 192.168.1.25: bytes=32 time=1ms TTL=64" with 0% loss.

If IP address is already taken, redo step 2 by selecting a different IP address for your DVR.

On your DVR:

Cricket

CE-CRK,
CE-CRK8,
CE-CRK16

LAN	
IP	192 168 001 010
Mask	255 255 255 000
Gateway	192 168 001 001

Contender

CE-DVR4,
CE-DVR8,
CE-DVR16

ETHERNET SETUP	
DYNAMIC IP	OFF
HOST NAME	dvr
IP ADDRESS	192.168.1.10
SUBNET MASK	255.255.255.0
GATEWAY	192.168.1.1

Pro

CE-DVR800,
CE-DVR1600

ETHERNET SETUP	
IP ADDRESS	192.168.1.10
SUBNET MASK	255.255.255.0
GATEWAY	192.168.1.1

On your computer:

```

C:\> Command Prompt
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Tech Support>ping 192.168.1.25

Pinging 192.168.1.25 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
    
```

Step 3

Confirm Connection

To ensure the selected DVR IP address is connected to the network properly, go to Command Prompt and type:

ping [space] IP address of DVR, and press enter

For example: ping 192.168.1.25

If the DVR is connected to the network properly, the reply will be:
"Reply from 192.168.1.25: bytes=32 time=1ms TTL=64" with 0% loss.

On your computer:

```

C:\> Command Prompt
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Tech Support>ping 192.168.1.25

Pinging 192.168.1.25 with 32 bytes of data:
Reply from 192.168.1.25: bytes=32 time=2ms TTL=63
Reply from 192.168.1.25: bytes=32 time<1ms TTL=63
Reply from 192.168.1.25: bytes=32 time=1ms TTL=63
Reply from 192.168.1.25: bytes=32 time<1ms TTL=63

Ping statistics for 192.168.1.25:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    
```

CLINTON Electronics *CONNECTING DVR TO ROUTER*

Your Clinton DVR is capable of being viewed remotely over the internet. In order to set up remote viewing properly, you must have administrator access to the configuration settings of your router.

Router IP addresses and configuration pages vary by manufacturer, but you may use the following information as a guide in configuring your router to set up port forwarding.

If you have any questions regarding proper setup of port forwarding on your router, contact your network administrator, internet service provider or router manufacturer.

Step 1

Access Router Settings

Access your router's settings by inputting the IP address of your specific brand of router into your web browser.

On your computer:



Enter the IP address of your router into your web browser (IP addresses vary by router manufacturer. Dlink router IP address shown above.)

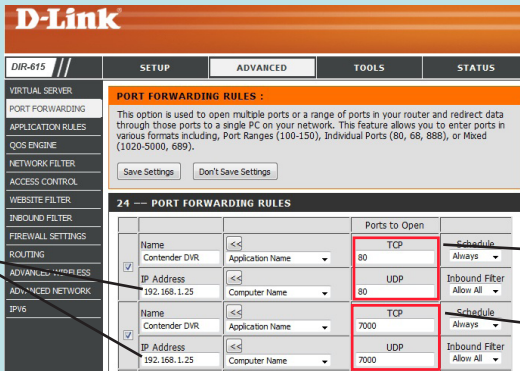
Step 2

Setup Port Forwarding

The following information is needed when setting up port forwarding:

- The default web port for all Clinton DVRs is 80
- Contender & Pro series require SMS port 7000 (in addition to port 80)
- Both TCP and UDP protocols must be enabled
- The port(s) need to be forwarded to the IP address of the DVR

On your computer:



Enter the IP address of your DVR set up on the previous page

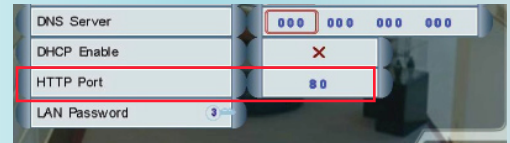
Enter 80 for TCP & UDP

Enter 7000 for TCP & UDP

On your DVR:

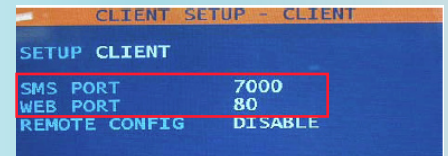
Cricket

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Pro

CE-DVR800,
CE-DVR1600

SMS PORT (TCP)	7000
WEB PORT (TCP)	80
REMOTE RESTART	OFF
REMOTE CONFIGURATION	OFF

Step 3

Remote Viewing

If using a Clinton Cricket DVR, refer to the directions in the user manual on how to view remotely using Internet Explorer. (page 34)

If using a Clinton Pro or Contender series DVR, reference the SMS Remote Software manual included with your DVR to remote view.

On your computer:

Refer to user guides for netview connection instructions

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Clinton Electronics Technical Support range of network support and responsibility:

Tech Support Representatives will assist customers with connecting the DVR to a local network and ensure connectivity.

In the event of network connection failure due to computer, computer software anomalies, or LAN/WAN support that is required beyond our support, it will be necessary for the customer/end user to contact their network administrator or Internet Service Provider to provide the proper IT solution.