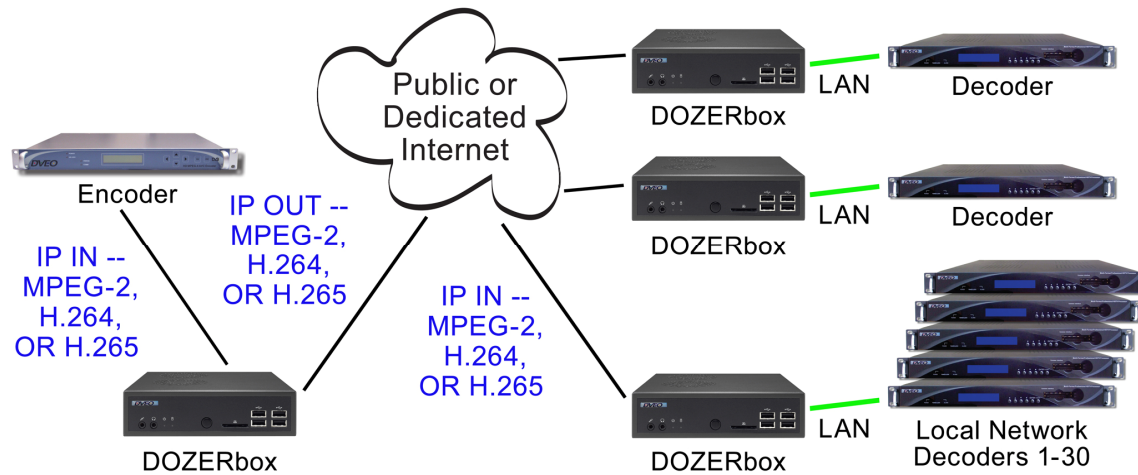




Quick Start Guide



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DOZERbox Quick Start Guide

For sales information and technical support contact:



11409 West Bernardo Court
San Diego, CA, USA 92127

Phone: (858) 613-1818
Fax: (858) 613-1815
support@dveo.com
<http://www.dveo.com>

DVEO DOZER – Technology and Applications

DOZER is a real-time IP Gateway technology featuring an end-to-end error correcting protocol that delivers time critical video reliably over UDP, whether unicast or multicast. It enables smooth MPEG-2, H.264, and H.265 SPTS and MPTS delivery of both SD and HD services by implementing DVEO's patented Automated Packet Recovery algorithms for alleviation of packet loss, and re-ordering out-of-sequence packets.

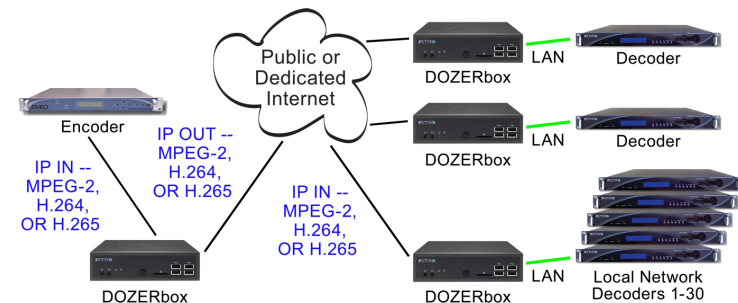
DOZER is ideal for applications such as:

- ✓ Cost effective multi-network and multi-country transfers for content producers and service providers
- ✓ Streaming studio quality live news and sports programming over congested backbone networks
- ✓ Backup to Dedicated IP for Video Delivery with delivery over Public Internet, including studio-to-transmitter links
- ✓ Replacing satellite backhaul and dedicated point-to-point lines with DOZERboxes at end points
- ✓ Protecting point to point traffic with strong AES128 encryption
- ✓ Eliminating packet loss across Metro WDM and other long haul backbones

DOZER is available in three versions:

1. **DOZERbox™ IP/IP + AES128**, a compact (7.5 inches/190 mm wide) stand-alone product (see diagram below).
2. **DOZER™ Rack IP/IP**, 1 RU form factor for rack mounting.
3. **DOZER™ ARQ: LIC**, a software license for integration in third-party products, and an available option in the DVEO encoder and streaming products.

DOZERbox point-to-multipoint architecture:



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Step 1

DOZERbox is designed to transmit content over the Internet and provide smooth connections recovering from any packet loss the network might experience.

NOTE: For optimum video streaming, when video will be transmitted and received from the same location, two separate systems are recommended for transmitting and receiving.

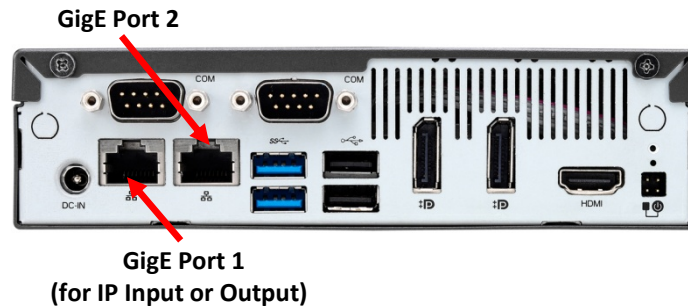


Fig1

What is Included

1. DOZERbox has two Ethernet/Internet ports labeled 1 and 2.
2. **The IP address of port1 is labeled on the back of the unit**
3. Power adapter

What is Needed

1. Network Switch or Router shown in Fig2 #3
2. Monitor and Keyboard shown in Fig2 #1
3. PC to control DOZERbox from Browser shown in Fig2 #4
4. Two Ethernet/Internet RJ45 cables to connect units

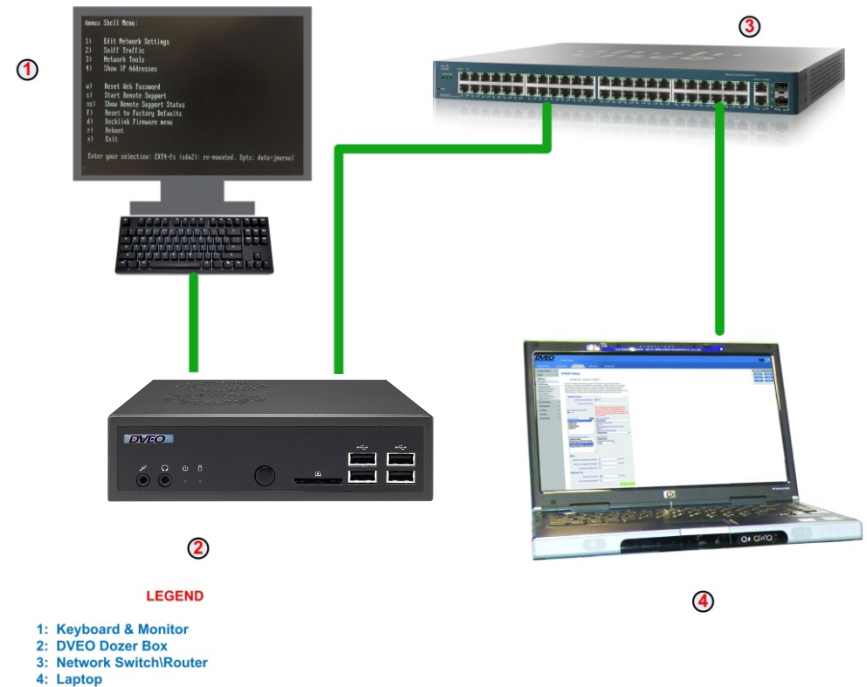


Fig2

1. Connect the Power Cable to the DOZERbox
2. Connect one end of the Ethernet/Internet Cable to DOZERbox port1 as shown in Fig1, and the other end to the Switch/Router as shown in Fig2
3. Connect HDMI monitor and Keyboard to the back of the DOZERbox
4. Connect one end of 2nd Ethernet/Internet Cable to your PC, and the other end to the Switch/Router as shown in Fig2
5. Turn on DOZERbox

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Step 2: Change your PC IP address to same Network as DOZERbox to Login to DVEO Web GUI (Windows)

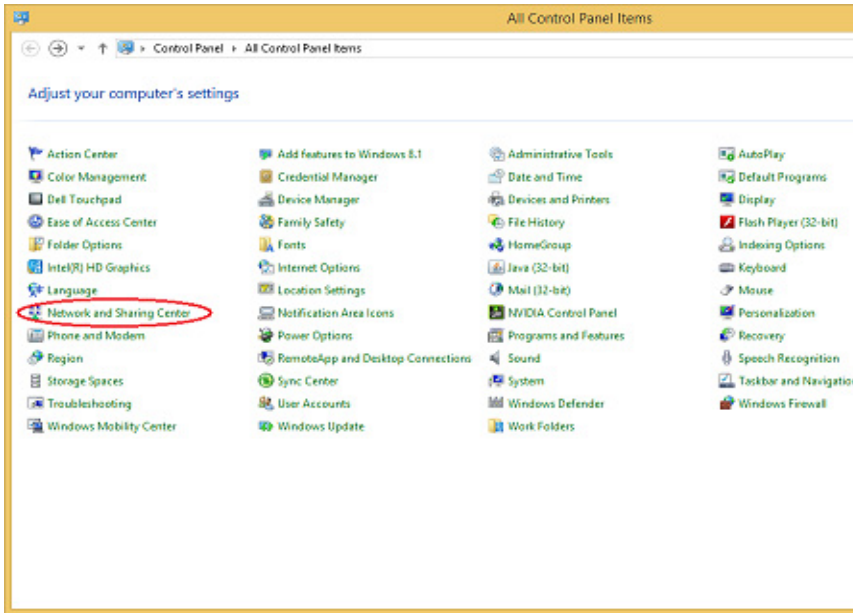


Fig3

1. Go to the Control Panel on your PC
2. Click on Network and Sharing Center as shown in Fig3 above

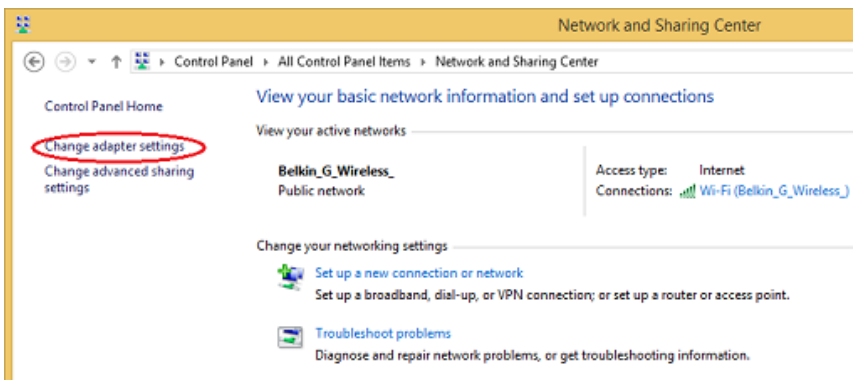


Fig4

3. Click on Change adapter settings as shown in Fig4 above

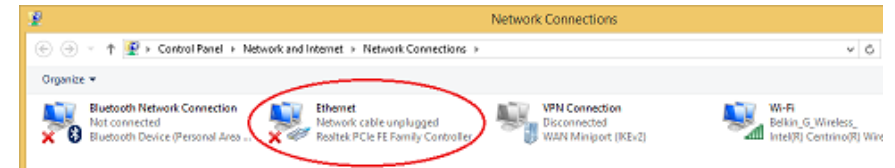


Fig5

4. Right Click on the Network Connection as shown in Fig5 that is currently plugged in and click on properties

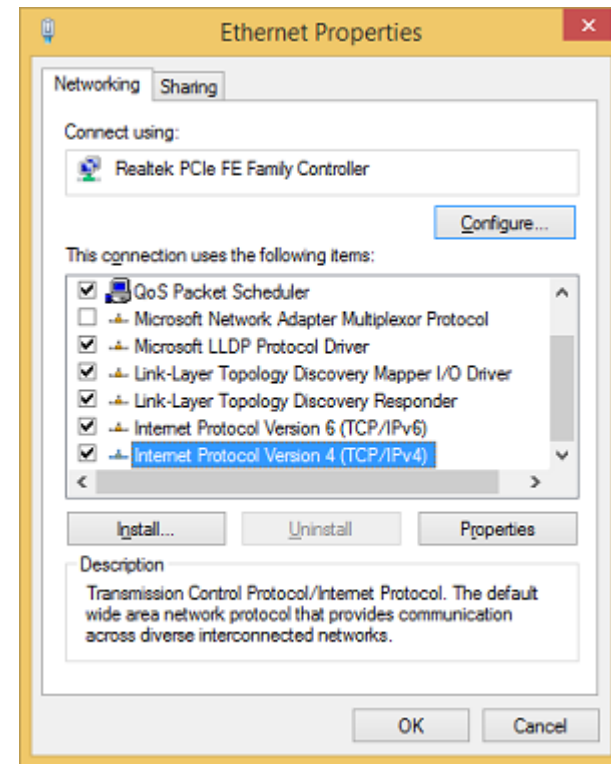


Fig6

5. Scroll down and Click on Internet Protocol Version 4

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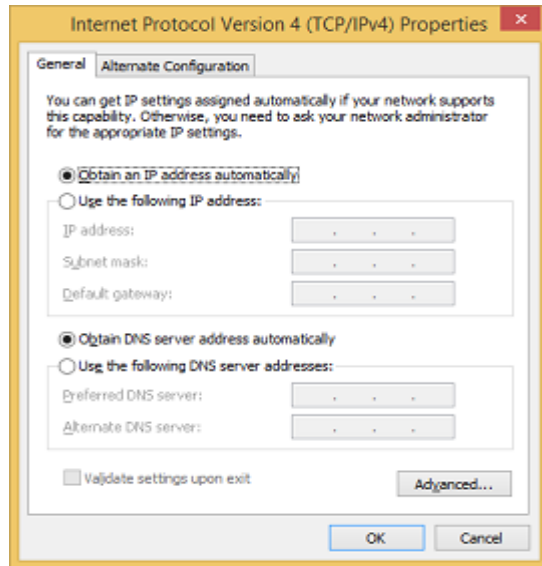


Fig7

6. Next, select "Use the following IP address"

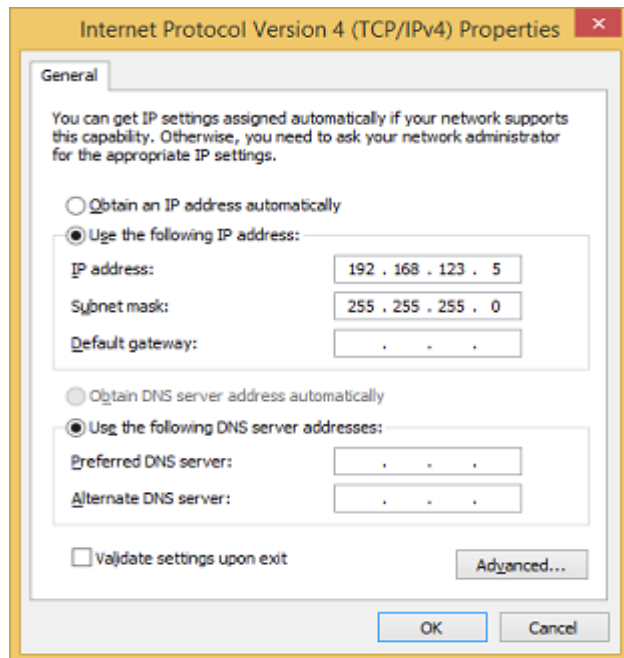


Fig8

7. The DOZERbox Ethernet port1 IP address is labeled on the back of the unit and is commonly 192.168.123.1
8. The IP address space shown in Fig8 must be set to the same network as the DOZERbox in order to access the Web GUI
9. If not already used you may set the IP address in Fig8 to 192.168.123.5 along with a subnet mask of 255 255 255 0
10. Filling in the Gateway and DNS info is not needed at this time for login to Web GUI
11. Next click on OK to apply settings

Step 3: Open Browser on PC to Login to DVEO Web GUI

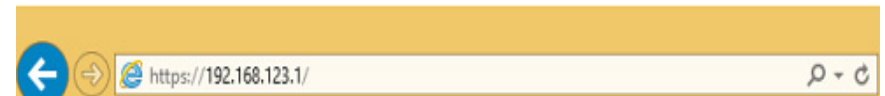


Fig9

1. Open any Browser on PC
2. Type in the IP address labeled on the back of the DOZERbox into the Browser URL as shown in Fig9
3. An Https SSL warning should come up, click to proceed

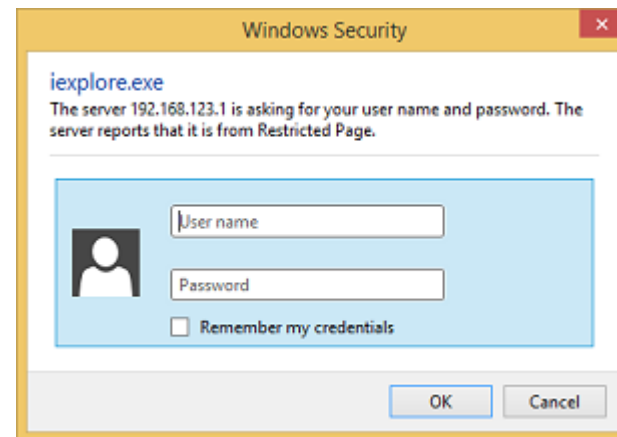


Fig10

1. After proceeding with SSL warning the Login page will pop up as shown in Fig10, default login is admin admin
2. After Login is granted you have successfully accessed the DVEO Web GUI