

Locating the MAC Address on EEG Hardware Products

Applies to Products: Network Compatible Encoders and Decoders

Last Revised: April 2023

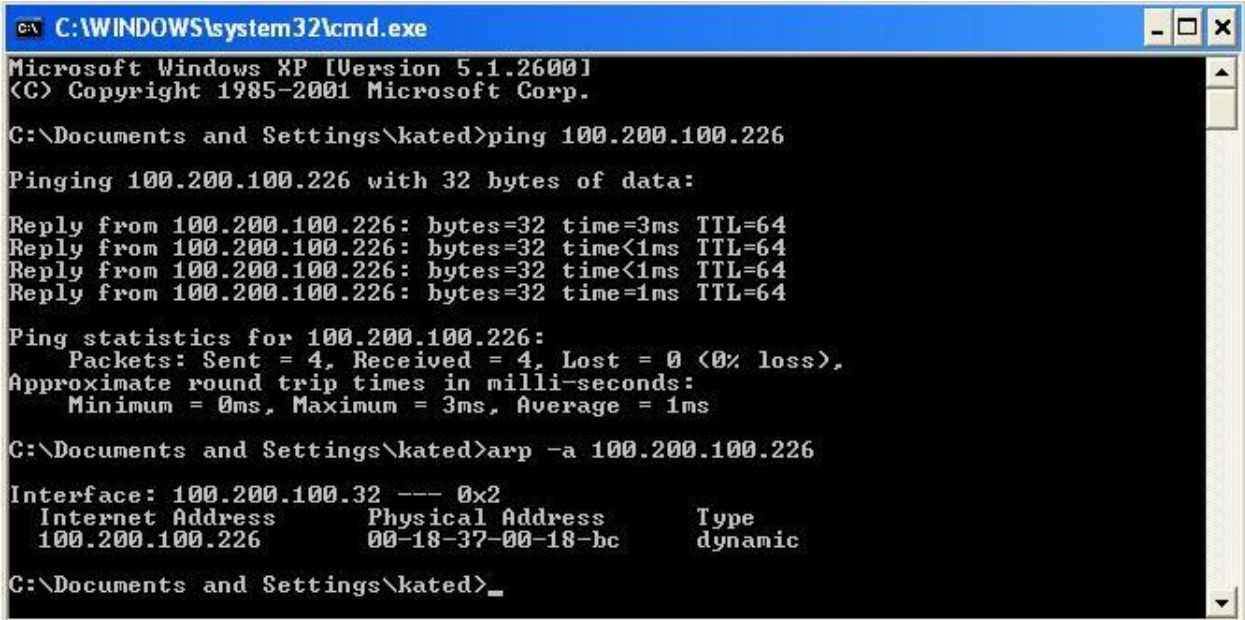
Locating the MAC address on EEG Encoders using the LCD Control on the following Models:

- **HD492 - all models**
 - **HD491 - Build 2.5.8 and newer**
1. Using the front panel LCD control, press the green checkmark (a.k.a. the OK button). <System Setup> will be displayed.
 2. Press OK and <Network> should be displayed.
 3. Press the up arrow to browse to <MAC Address> and press OK.

Locating the MAC address of all other networked EEG Encoders and Decoders from a Windows PC

1. Click **Start -> Run**, type **cmd** and click **Ok**
2. Type **ping xxx.xxx.xxx.xxx**, replacing **xxx.xxx.xxx.xxx** with the IP address of the computer for which you would like to retrieve the MAC address
3. After the ping response has finished, type **arp -a xxx.xxx.xxx.xxx**
4. Under **Internet Address**, you will see the IP address you just pinged. In the same line, the corresponding MAC address is listed under **Physical Address**

If a device on a network communicates with another device, an example of this is a “ping” reply from a device to a PC, then information from the responding device is stored in the ARP (Address Resolution Protocol) table of the PC that sent the “ping”. Using the “arp -a” query results in a printout of the ARP table, including the MAC address of the responding device. See the example in Figure 1 below.



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\kated>ping 100.200.100.226

Pinging 100.200.100.226 with 32 bytes of data:

Reply from 100.200.100.226: bytes=32 time=3ms TTL=64
Reply from 100.200.100.226: bytes=32 time<1ms TTL=64
Reply from 100.200.100.226: bytes=32 time<1ms TTL=64
Reply from 100.200.100.226: bytes=32 time=1ms TTL=64

Ping statistics for 100.200.100.226:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 3ms, Average = 1ms

C:\Documents and Settings\kated>arp -a 100.200.100.226

Interface: 100.200.100.32 --- 0x2
    Internet Address      Physical Address      Type
    100.200.100.226      00-18-37-00-18-bc    dynamic

C:\Documents and Settings\kated>_
```

Figure 1 - Ping Reply and ARP Query Example Pg. 2