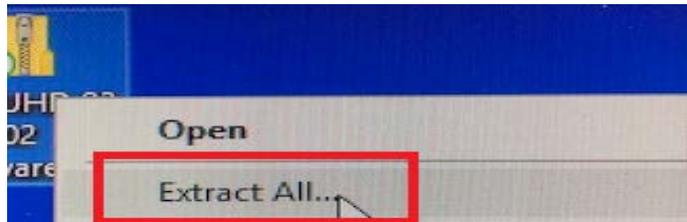# DFF1-UHD Update Procedures via PC

1. **Preparation**

- PC running Windows OS.

- Connect the DFF1-UHD to the PC, make sure the S2 dip switches are set to "OFF". You can use a straight through or crossover LAN cable.

> - Crossover – Direct connection to PC
>
> - Straight Through – When using generic ethernet switch, without auto-sensing.
>
> - Cross or Straight – When using HUB101 or newer ethernet switch with auto-sensing.

2. Procedures

2.1 - Download the file from Furuno USA website (www.furunousa.com), under the product page.

2.2 - Unzip the zipped file onto the desktop of the PC by right clicking on the downloaded folder.
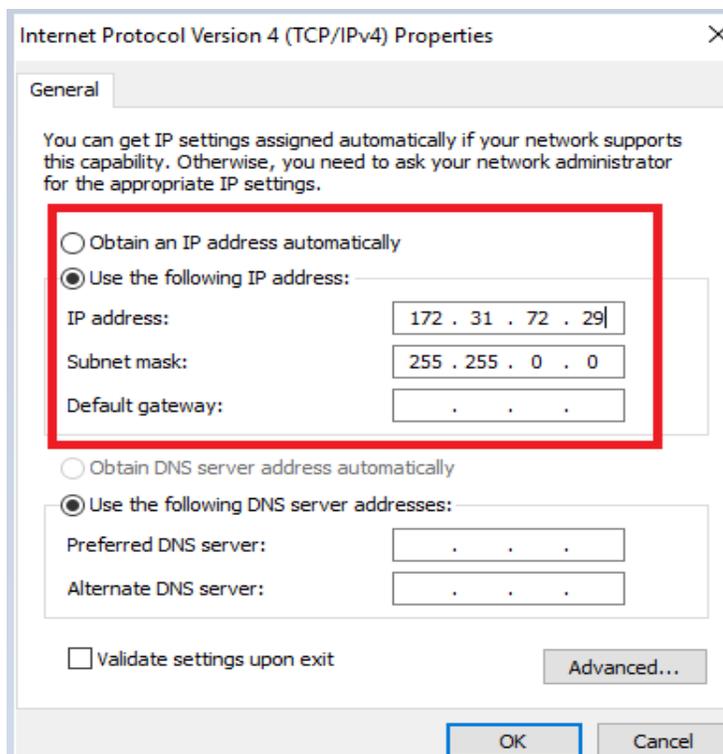

2.2 - Change the TCP/IP configuration of your PC as shown below.
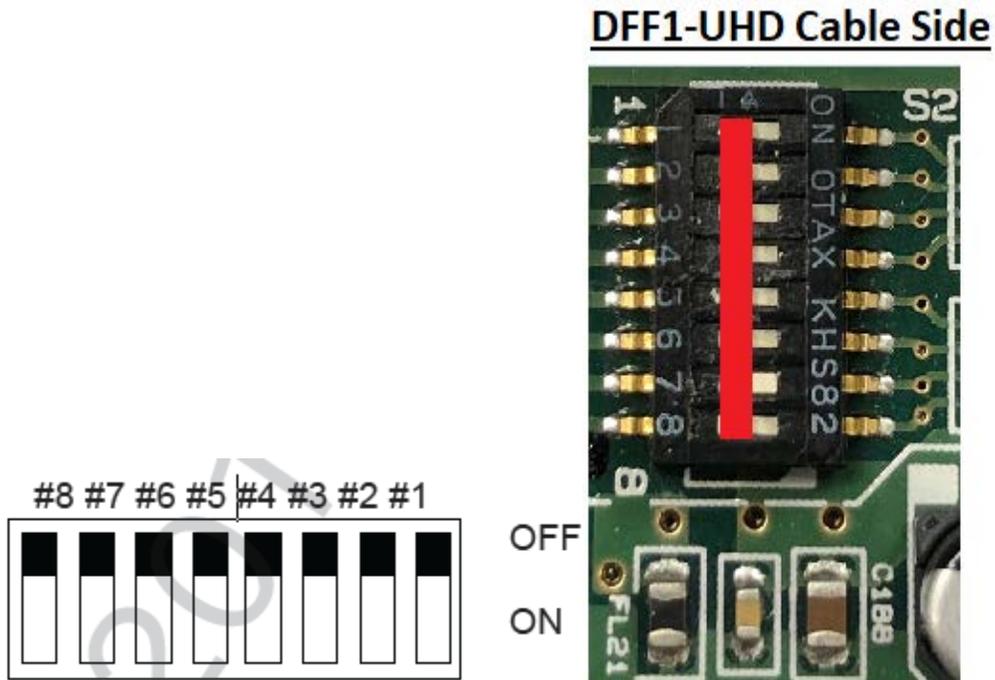
IP Address: 172.31.72.29

Subnet mask: 255.255.0.0

Default gateway: blank

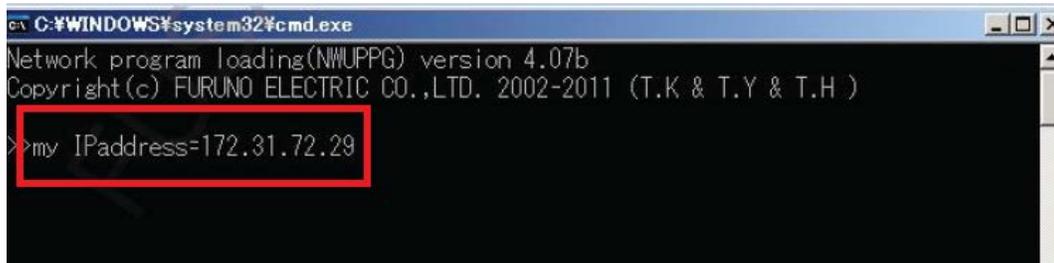**2.3 - Connect the PC to DFF1-UHD using a LAN cable, as described in section 1.**

2.4 - Set the SW (Mode SW) on S2 all to off.

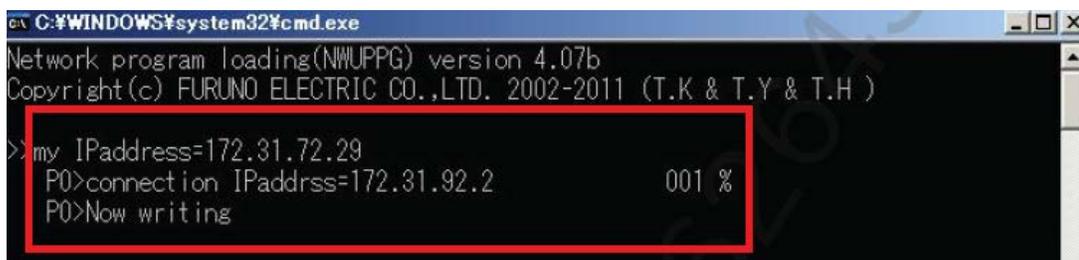**2.5 - Double click on "UPNET/BAT" file. CMD prompt box will appear.**

Name	Type	Compressed size
boot1_main.bin	BIN File	3,260 KB
IDCODE.SYS	System file	1 KB
lanloader.bin	BIN File	72 KB
nwuppg.exe	Application	50 KB
UPNet.bat	Windows Batch File	1 KB

2.6 - Check that your IP address is displaying the CMD prompt box.

2.7 - Remove power to the DFF1-UHD and apply power again. Do not turn off power to the DFF1-UHD during the update process.

2.8 - Once the update is finish, "Press any key to continue" message will appear. Press any key to close the program.
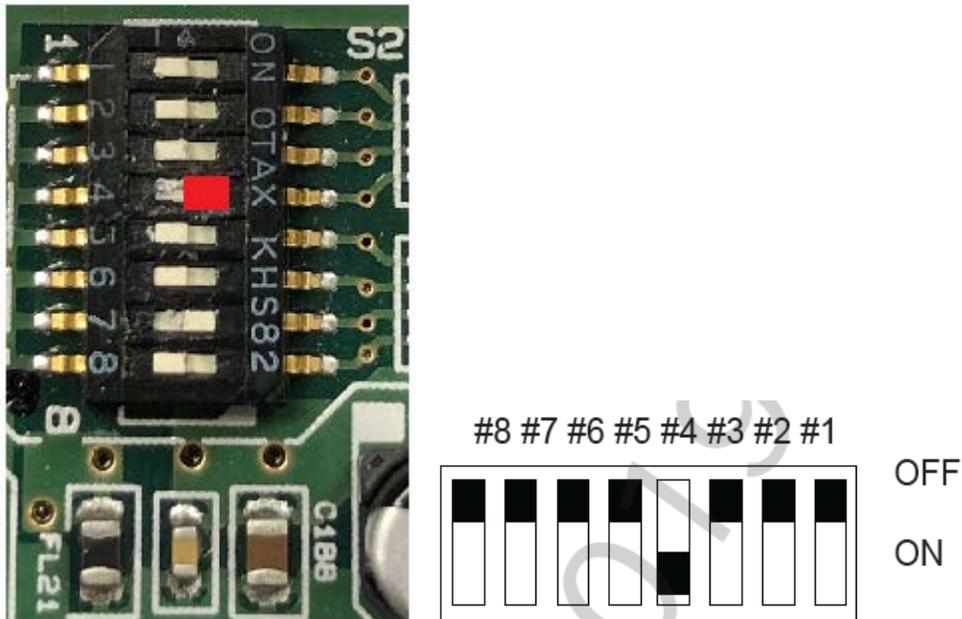
2.9 - Disconnect the DFF1-UHD from the PC and connect the DFF1-UHD back into the NavNet network without power connected.

3 - Reconnecting DFF1-UHD and Restoring default settings.

We are going to reset the DFF1-UHD before connecting back into Navnet network.

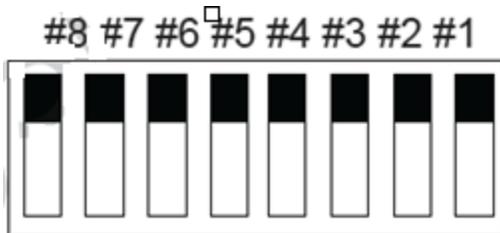**3.1 - Set dip switch 4 to "ON", with no power to the DFF1-UHD.**

3.2 - Apply power to the DFF1-UHD and the LED stand-by light will start flashing after about 20 seconds. Disconnect power to the DFF1-UHD.

3.3 - With the sounder off, set dip switches back to original/accordingly to the MFD displaying the sounder. (See Page 6 for reference). Reconnect to NavNet network.

3.4 - Connect DFF1-UHD back into the system and turn on. Complete the transducer setup and recycle power to the whole network. (Refer to NavNet installation manual for transducer setup as needed)
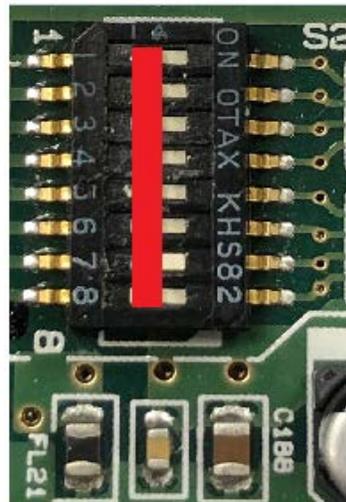
S2 dip switch settings for MFD's
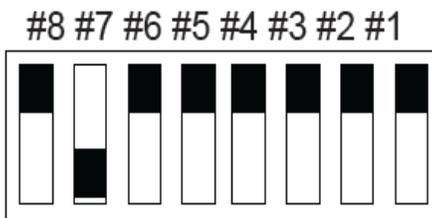
TZT9/TZT14/TZTBB/TZTL12F/TZTL15F/TZT2BB

DFF1-UHD Cable Side

#8 #7 #6 #5 #4 #3 #2 #1   OFF / ON

NavNet3D

DFF1-UHD Cable Side

#8 #7 #6 #5 #4 #3 #2 #1   OFF / ON