

## Procedure for upgrading UMH160 software

- 1) Verify the version of software currently on the unit by navigating thru the **Front Panel Menus**: (This will dictate the method of upgrading) at the front of the unit click **Menu, down, down, OK, down, OK, down** (This will navigate the system thru **Menu -> System-> Properties**) the version will be 148.2308, 149.1013, or similar.
- 2) Set the PC/Laptop to the same IP group as the unit by going to the **Control Panel**, click **Network**, Select **Connections**, then **Ethernet Properties**, Highlight **Internet Protocol Version 4 (TCP/IPv4)** and click **Properties**.
- 3) Select **Use the following IP address** and enter an IP address similar to the IP addresses assigned, by the user, on the equipment. (i.e. if the unit is **192.168.1.98**, then set the PC/Laptop to **192.168.1.XX** (XX= something besides 98) **Subnet Mask 255.255.255.0** and **Default Gateway 192.168.1.1**))
- 4) Open a **Command Window**. If unable to find it, do a search for **CMD**. Once it is open, type **ping 192.168.1.XX** and verify communication to the unit.
- 5) Now, depending on the version of software verified in the first step, the upgrade will proceed accordingly:
  - a. V148.2308 -> NMS-V154 upgrade (below)
  - b. V149.1013 -> Web Browser upgrade (next section)

### NMS Upgrade Procedure

(If upgrading from version V149.1013, continue to next section.)

### Procedure for downloading the Wellav 160 HD IRD Fix

- 1) Ensure that the UMH160's is connected to the network.
- 2) Find and open the application **NMS\_V1.5.4\_SVN1944\_20111215\_1.exe** . This will connect the UMH160 via Ethernet.



- 3) Double click **(HD-IRD)@ (IRDs IP address)** in the upper left hand corner. This will bring up the UMH160's GUI interface.
- 4) Select the **UPGRADE** tab and then the **SELECT FILE** tab. When prompted, select the download file which is **HDIRD\_V150.0123\_20130428\_FOR\_TBC.rar** then select the **START** button. The file will start to download and progress bars giving the status of the download will appear.
- 5) After about a minute the unit will lose Video and Audio and the UMH160 will continue to give updates on the GUI interface as well as on the front panel. The download will take several minutes and when it is finished there will be a message saying **Upgrade succeed!!! Please restart the software.**
- 6) Before rebooting the UMH160, the channel list will need to be downloaded:
  - a. Go to the front panel and select **MENU**.
  - b. This will bring up **INPUTS**, select **OK**.
  - c. This will bring up **SOURCE SELECT**, press **OK**.
  - d. This will bring up **TUNER**, press **OK**.
  - e. Press **OK** again to underline the "T" in TUNER and then press **OK** again to download your channel list.
- 7) Next press **MENU** until the IP address is on the front display, then press:
  - a. **MENU** then arrow **UP/DOWN** to display **Outputs** select **OK**
  - b. **PROGRAM SETUP** then **OK**.
  - c. Arrow **UP/DOWN** until the channel desired is in the view window and the word **BYPASS** or **C1 Slot1** appear, press **OK**
  - d. Then press the Arrow **UP/DOWN** until the screen reads **CI SLOT 1**, then press **OK**.
  - e. Next press **MENU** and you will be prompted to save your selection. Press **OK = YES**.



- 8) Next press **MENU** and the **up/down** arrow until **OUTPUT** is displayed in the view window, then press **OK**, then arrow **UP/DOWN** until **DECODER** is displayed, then select **OK** to get to **PROGRAM**, select **OK** from the Decoder menu. Select **OK** to underline and use the up/down arrow to select the same channel that was selected in “step 7)” above and select **OK**, then **MENU**.

### Web Browser Upgrade

- 1) Open a Web Browser and type the UMH160's IP address into the URL field of the browser. (192.168.1.XX) Hit **Enter**.
- 2) Now, in the first WellAV screen, enter **admin** for the **username** and **admin** for the **password**. Hit **Enter**.
- 3) On the next screen is where all of the controls/readings/measurements for the UMH160 are located. Look at the list on the left side of the window and notice all of the features that can be viewed and manipulated. At the bottom of that list is the **upgrade** tab. Select it and click **Browse**. Find the upgrade file **HDIRD\_V150.0123\_20130428\_FOR\_TBC.rar** and select it. Now click **Upgrade** and wait 8 – 10 minutes. After the upgrade is complete, restart the system and the upgrade is completed.

### Reloading the channel list:

- 1) Open a web browser and type the IP address in the URL.
- 2) Type username **admin** and password **admin**.
- 3) On the left hand side, click **Receiver** , then click **Research** . The channels should populate the available fields.

## Front Panel Menu Lists

<b>DOWNLOAD CHANNEL LIST</b>	
Menu	SCOLA I
	IP Address
Menu	Main Menu
	Inputs
OK	Inputs
	Source Select
OK	Source Select
	Tuner
OK	Source Select
	Tuner
OK	Source Select
	<i>Data Processing.....</i>
<b>End</b>	

<b>SELECT and AUTHORIZE PROGRAM</b>	
menu	SCOLA 1 Europe
	IP Address
Menu	Main Menu
	Inputs
Down Arrow	Main Menu
	Outputs
OK	Outputs
	Program Setup
OK	SCOLA I
	Bypass or C1
OK	SCOLA I
	<u>B</u> ypass
Up Arrow	SCOLA I
	<u>C</u> 1 Slot 1
OK	SCOLA I
	C1 Slot 1
Menu	Save Change
	Menu = no OK = yes
OK	<i>Data Processing.....</i>
<b>END</b>	

<b>SELECT DECODER</b>	
Menu	SCOLA 1
	IP Address
Menu	Main Menu
	Inputs
Down arrow	Main menu
	Outputs
OK	Outputs
	Program Setup
Down Arrow	Outputs
	Decoder
OK	Decoder
	Program
OK	Program 1 0001
	SCOLA 1 Europe
OK	Program 1 0001
	<u>S</u> COLA 1 Europe
OK	Program I
	SCOLA I Europe
	<i>Processing.....</i>
<b>END</b>	