



# Broadcast Equipment

---

FMHD-1L

FM HD RADIO MONITOR –  
LITE (Remote Management)

**PRELIMINARY DOCUMENTS**

---

Thank you for purchasing the **FMHD 1L FM HD RADIO MONITOR – LITE** from Belar. Although the monitor is simple to operate, it has so many features and capabilities that a few minutes spent with this preliminary Guide will enable you to get the most out of your purchase.

Because this is a preliminary manual, we also ask that you take a moment now to email us at ‘[sales@belar.com](mailto:sales@belar.com)’, so we can send you a new manual when it is released.

Please include the following;

- Contact Name
- Company
- Call Letters
- Email Address
- Phone Number
- Mailing address (for US Mail)

Thank You

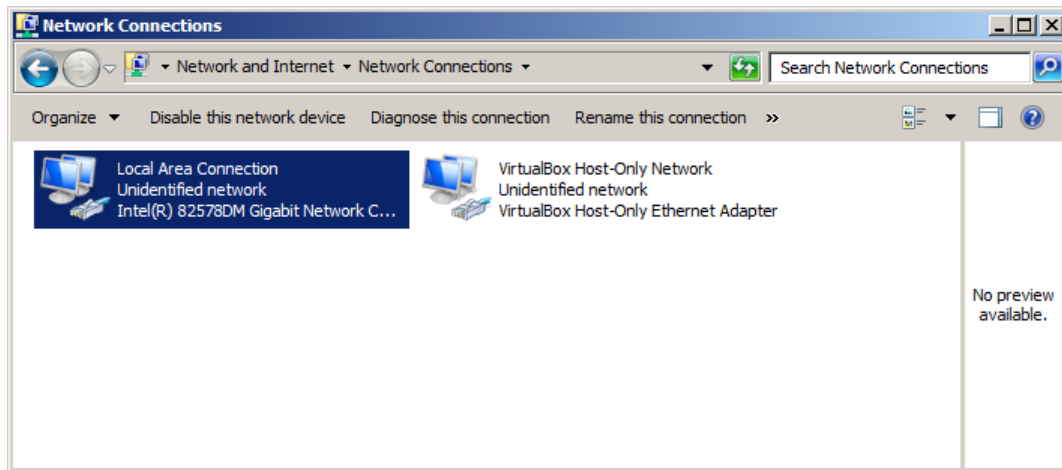
Belar Electronics Laboratory, Inc.  
1140 McDermott Drive, Suite 105  
West Chester, PA 19380  
(Main) 610-687-5550, (Main Fax) 610-687-2686

## Initial Setup

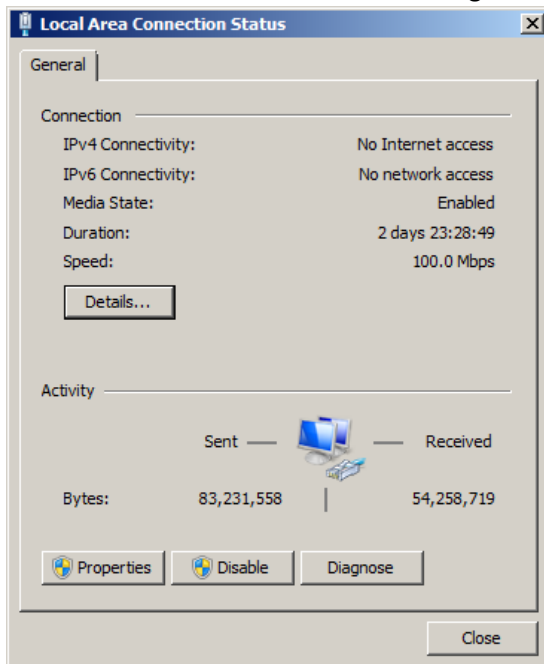
The **FMHD-1L** is shipped with a static IP of 192.168.1.251 with a subnet mask 255.255.255.0 and must be configured to work properly on your network. To configure the network settings requires a computer and either a crossover cable or a switch/router connected to both devices. It is recommended that the initial configuration be done standalone with only the computer and PC on the network.

Configure your PCIP address of your computer to 192.168.1.xxx . any address other then 192.168.1.251 is fine and a subnet mask of 255.255.255.0. The example below is using Windows 7.

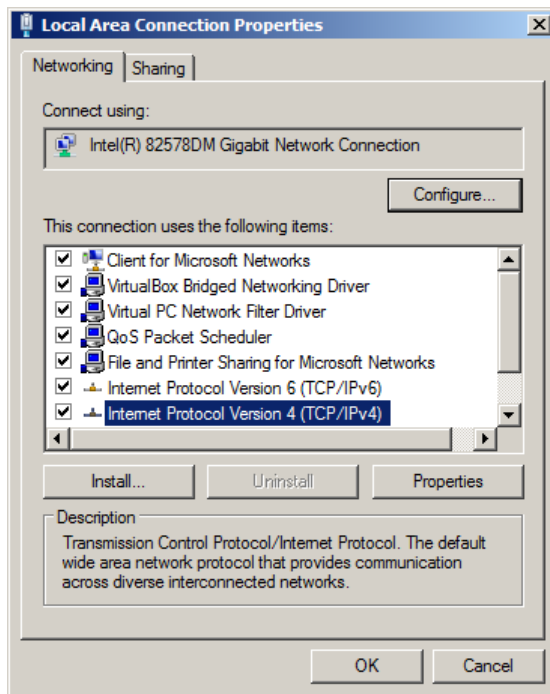
- 1) Navigate to Network Connections



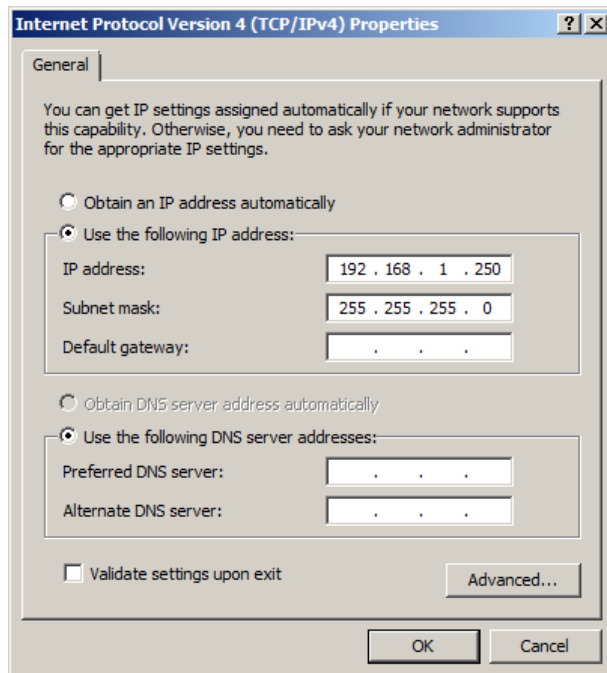
- 2) Double click on LAN connection to bring of status dialog box click on properties.



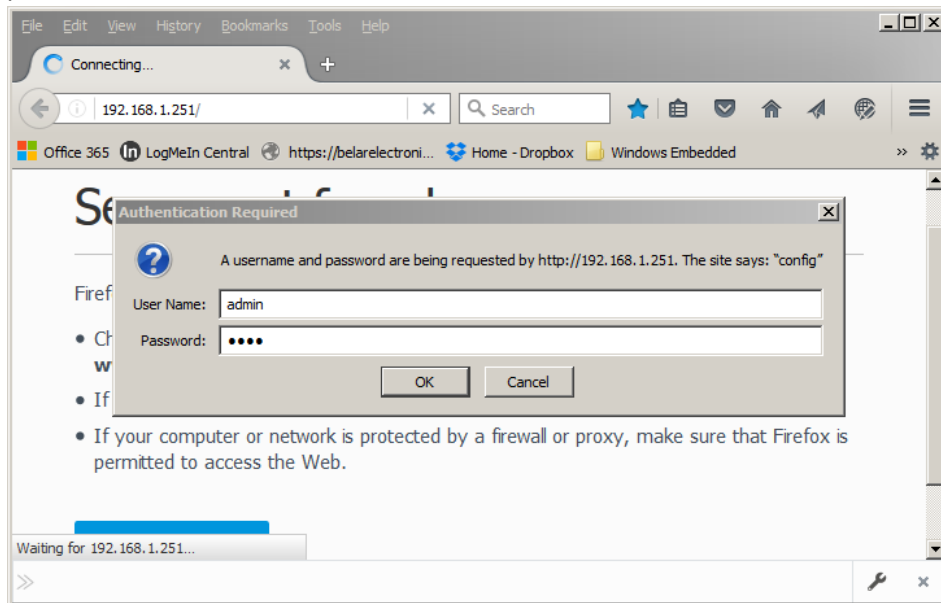
- 3) Select and click on Internet Protocol.



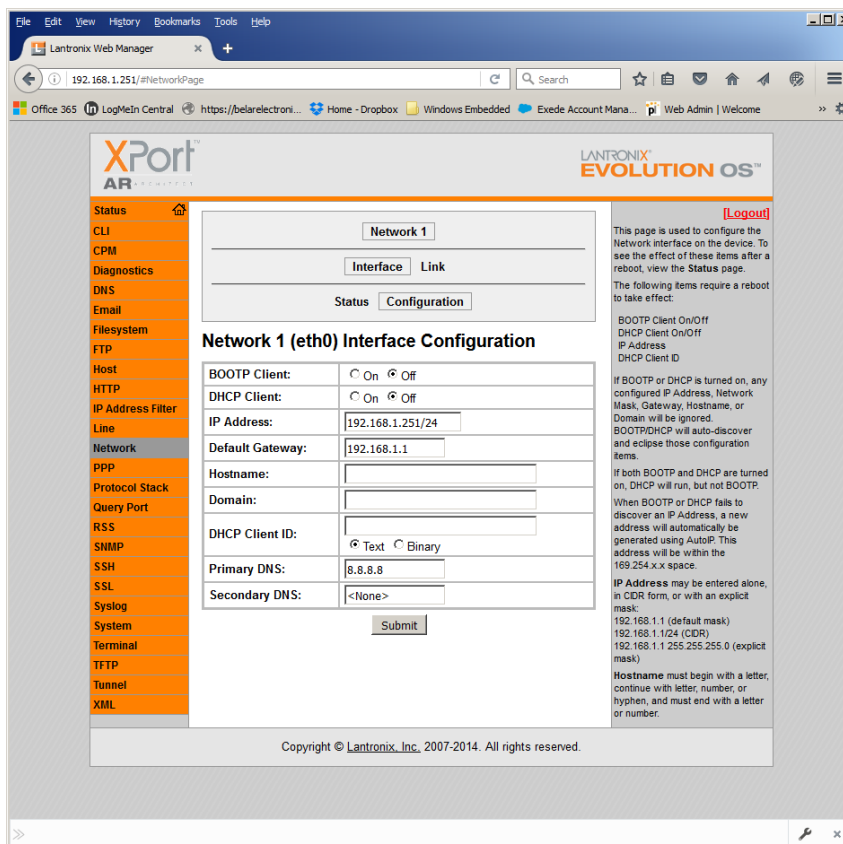
- 4) Enter an IP address 192.168.1.xxx other than 192.168.1.251. Set the subnet 255.255.255.0 and click Ok.



- 5) Type the units IP address 192.168.1.251 into any web browser. Enter the default username: admin and password: PASS and click Ok.



- 6) Select Network on the left hand side and Configuration at the top. Enter the unit's new IP address, subnet, default gateway, and DNS settings



- 7) Reboot the unit and the IP settings should be configured.
  - a. If for some reason the unit becomes unreachable then push the 'Default Reset' microswitch in (located on the back panel), for 1 sec and the defaults IP settings will be reloaded.

IP Address: 192.168.1.251

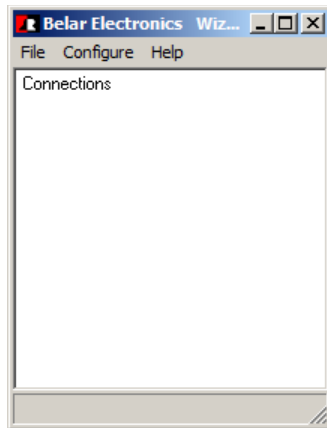
Subnet: 255.255.255.0

Username: admin

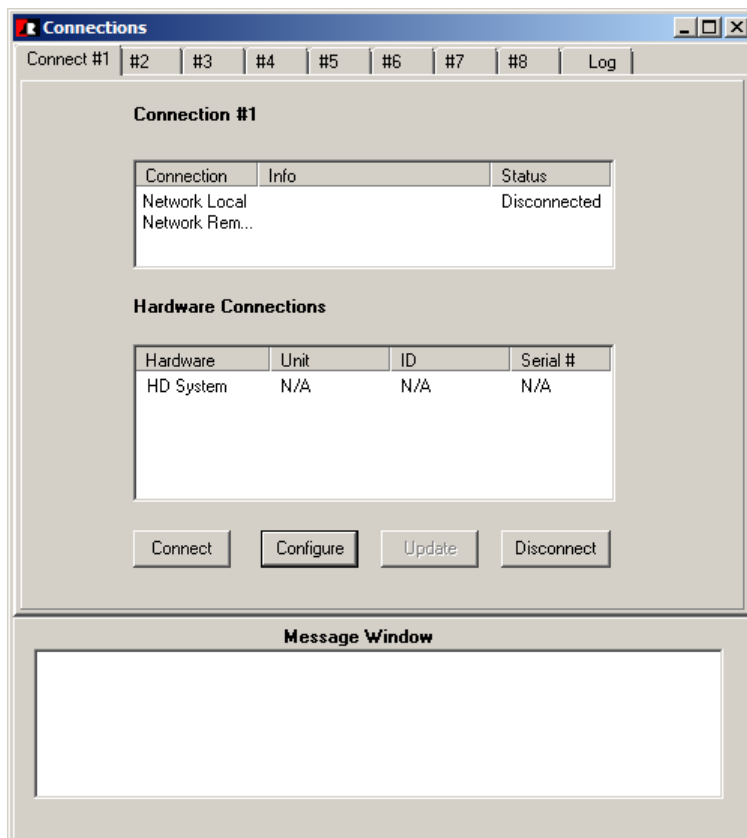
Password: PASS

## Configuring Software

- 1) Download and install the WizWin software from our website. <http://belar.com/update/index.html>
- 2) Run WizWin and select “Connections” from the window.

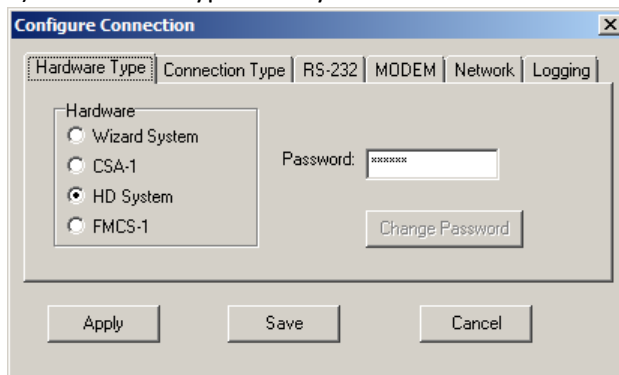


- 3) A popup dialog box will appear. Select Connection #1 and CLICK the “Configure” button.



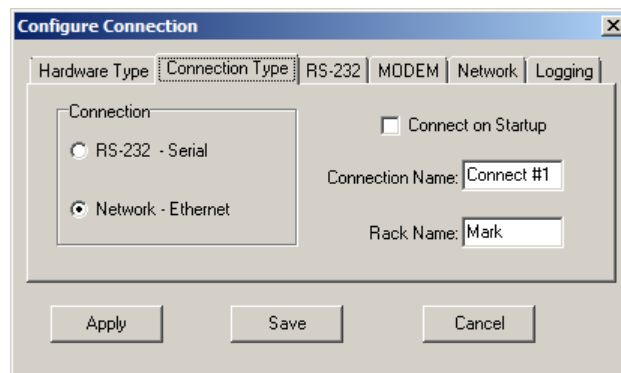
- 4) Under the individual tabs in the Configure Dialog Box enter the following information.

a) Hardware Type: HD System



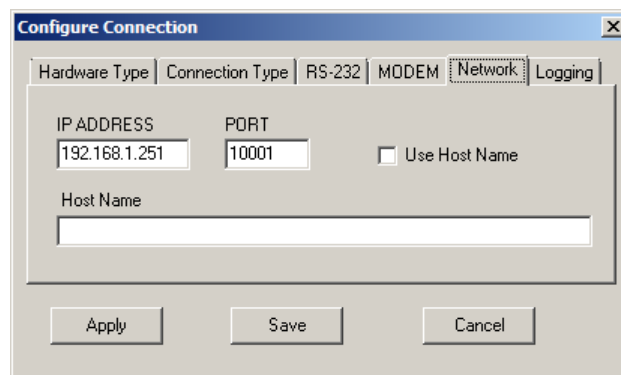
The 'Configure Connection' dialog box is shown with the 'Hardware Type' tab selected. The 'Hardware' section contains four radio buttons: 'Wizard System', 'CSA-1', 'HD System' (which is selected), and 'FMCS-1'. To the right of these buttons is a 'Password:' label followed by a text input field containing 'XXXXXXXX' and a 'Change Password' button. At the bottom of the dialog are three buttons: 'Apply', 'Save', and 'Cancel'.

b) Connection Type: Network – Ethernet



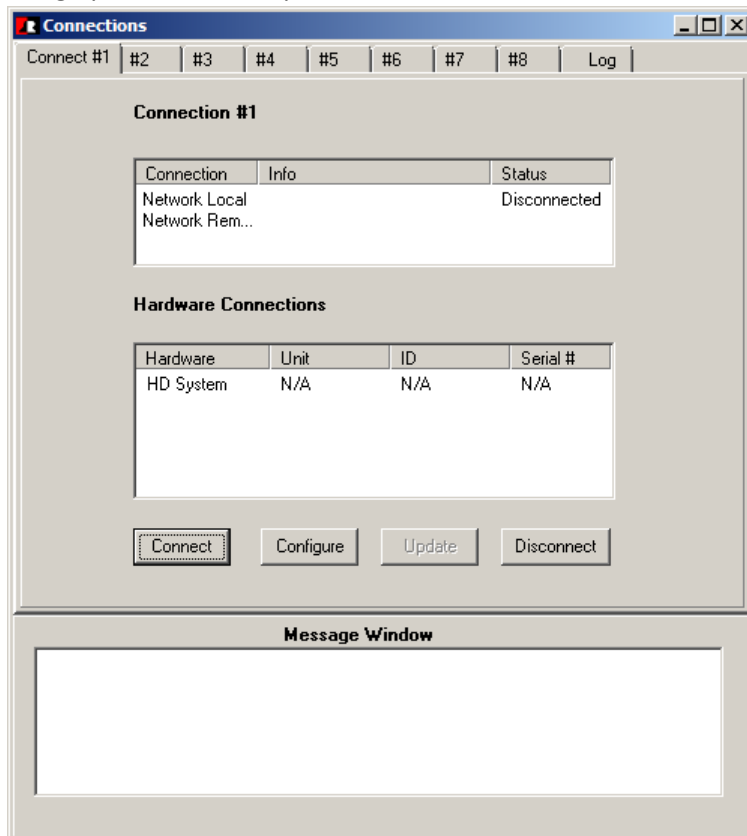
The 'Configure Connection' dialog box is shown with the 'Connection Type' tab selected. The 'Connection' section contains two radio buttons: 'RS-232 - Serial' and 'Network - Ethernet' (which is selected). To the right of these buttons is a 'Connect on Startup' checkbox (which is unchecked), a 'Connection Name:' label followed by a text input field containing 'Connect #1', and a 'Rack Name:' label followed by a text input field containing 'Mark'. At the bottom of the dialog are three buttons: 'Apply', 'Save', and 'Cancel'.

c) Enter the IP address of the unit and set the port to 10001. CLICK Save to save and close the Configure Connection Dialog Box.

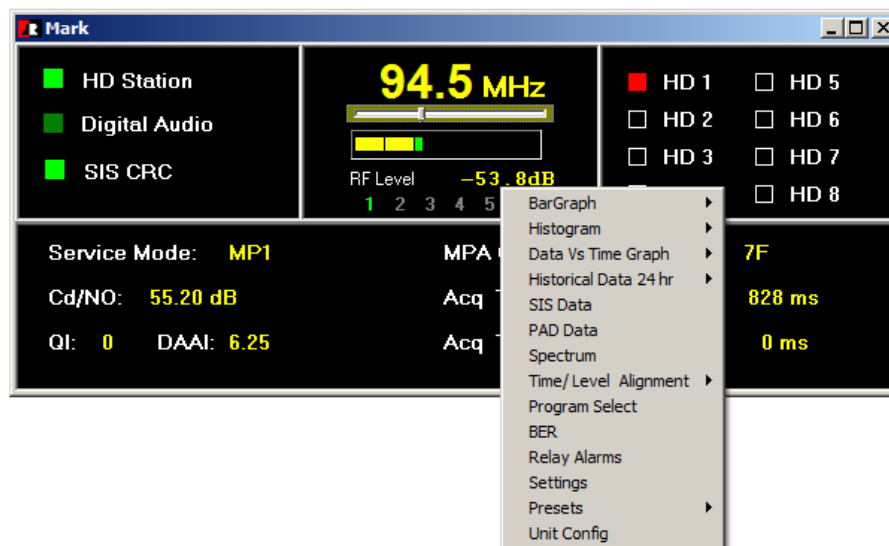


The 'Configure Connection' dialog box is shown with the 'Network' tab selected. The 'IP ADDRESS' label is followed by a text input field containing '192.168.1.251'. The 'PORT' label is followed by a text input field containing '10001'. To the right of these fields is a 'Use Host Name' checkbox (which is unchecked). Below these fields is a 'Host Name' label followed by a text input field. At the bottom of the dialog are three buttons: 'Apply', 'Save', and 'Cancel'.

- 5) CLICK on the Connect button in the Connections Window. The unit will establish a connection and bring up a virtual front panel.



- 6) Right click on the front panel for a drop down list of the available screens for selection.





**BELAR ELECTRONICS LABORATORY, INC.**