

# HMD

## Frequency Agile Mini Demodulator

### HMD SPECIFICATIONS:

<b>RF</b>	Input Channels	VHF: 2-13; UHF: 14-69; CATV 2-99, (STD) HRC 1-99
	Input Level Requirements	-15 to + 25 Db mV
	Noise Figure	6dB
<b>Video</b>	Output Level	.5 – 1.5Vpp
	S/N	60 dB
	Differential Gain	5%
	Differential Phase	5 Degrees
<b>Audio</b>	Output Level	.5 – 1.5V
	Distortion	1 %
	Flatness	± 1 dB (50Hz-15kHz)
<b>Electrical &amp; Mechanical</b>	Power Required	12VDC
	Weight: Connectors	3 lbs. F Type/RCA

### Installation Instructions

1. Slide HMD unit into HMR rack.
2. Plug one end of the brown and black wired jumper to the +12V IN jack of the HMD. Plug the other end of the black and brown wired jumper to the 12 VDC power source.
3. Connect the RF signal to be demodulated to the RF IN port on the back of the HMD.
4. Press the U/V / CATV / HRC button to select the proper input channel mode.  
The L.E.D. display will show
  - 1 solid dot for U/V mode
  - 2 solid dots for CATV mode
  - 1 solid dot and 1 blinking dot for HRC mode
5. Use the UP and DOWN buttons to select the channel to be demodulated.
6. Connect the AUDIO OUT and VIDEO OUT ports to the respective baseband audio and video inputs of a television/monitor or testing analyzer.
7. Adjust the VIDEO trimpot on the front of the HMD to get the required video power output.
8. Adjust the AUDIO trimpot on the front of the HMD to get the required audio power.
9. Disconnect AUDIO OUT and VIDEO OUT ports.
10. Connect AUDIO OUT and VIDEO OUT to headend system.

## **IMPORTANT!!**

**WARNING:** Holland Electronics does NOT represent this product to be WATERPROOFED. To reduce risk of electrical shock, fire hazard, or damage to the unit, do not expose to rain or moisture.

**CAUTION:** To prevent electric shock, do not use this plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

**NOTE TO INSTALLER:** This reminder calls the system installer's attention to Article 820-22 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

**WARNING:  
TO PREVENT FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS UNIT  
TO RAIN OR MOISTURE**



### **HOLLAND ELECTRONICS LLC LIMITED WARRANTY**

Holland ELECTRONICS LLC, warrants that the product enclosed with this Limited Warranty statement will conform to the manufacturer's specifications and be free of defects in the workmanship and material for a period of five years (5) from the date of original purchase.

#### **WARRANTY PROCEDURE:**

If the product appears to be defective contact Holland Electronics LLC at (805) 339-9060. We will analyze the problem and offer solutions to prevent removing the unit from service. If the unit is to be returned for evaluation, you will be issued a Return Material Authorization (RMA) number.

Holland Electronics LLC will, at its option, repair or replace the defective unit, under warranty, without charge for parts or labor. This repair will be subject to charges if signs of tampering or misuse are detected. Incoming shipping costs will be the customer's responsibility. Returns will not be accepted without an RMA number.

The warranty and remedy provided above are exclusive and in lieu of all other express warranties and unless stated herein, any statements or representations made by any other person or firm are void. The duration of any implied warranties of merchantability or fitness for a particular purpose on this product shall be limited to the duration of the express warranty set fourth above. Except as provided in this written warranty, Holland Electronics LLC shall not be liable for any loss, inconvenience, or damage, including direct, special, incidental, or consequential damages, resulting from the use or inability to use this product, whether resulting from breach of warranty or any other legal theory.

Some states do not allow limitations on how long an implied warranty lasts and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation and exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

**To arrange for Warranty Service: Call Holland Electronics LLC (805) 339-9060**

