

AM LOOP ANTENNA

- Connect the cord of the accessory AM loop antenna to the AM LOOP 300 Ohm terminals. When tuning in AM stations, move the antenna to the left or right and set in the direction which yields the optimum reception.

• Do not place the power cord or speaker cords near the loop antenna. Interference or noise may be generated.

Multi path reflections

FM waves, like light waves, travel in a straight direction unless reflected off objects in their path. Because of this, two sets of waves reach your antenna from the FM station; those that have traveled directly to the antenna, and those that have been reflected off buildings or mountains. When the antenna receives both kinds of signals, the two interfere with each other and result in distorted sound and poor separation. This phenomenon is called "multi path reflection". To reduce this problem, select an antenna with good directivity and place it in the best location with strong reception.

ROLLS

HR78X AM/FM Digital Tuner With XLR Outputs



SPECIFICATIONS

FM

Intermediate Frequency:	10.7 MHz +/- 0.05
Tuning Range:	87.5 - 108 MHz
30 dB quieting sensitivity:	28 dB
IF Rejection 87.9 MHz:	50 - 56 dB
Image Rejection 105.9 MHz:	20 - 26 dB
3dB Limiting Sensitivity:	28 - 35 dB
THD 1 mV Input:	0.5 - 2 %
Auto Tuning Sensitivity 97.9 MHz:	25 - 30 dB
AM Suppression:	26 - 32 dB

AM

Intermediate Frequency:	450 kHz +/- 5
Tuning Range: US:	530 - 1710 kHz
20 dB quieting sensitivity:	58 dB
IF Rejection 603 kHz:	25 - 32 dB
Image Rejection 1404 kHz:	32 - 38 dB
Auto Tuning Sensitivity 999 kHz:	28 - 35 dB
Max Output @ 1 kHz:	0.5V +/- 0.05V

Supply Voltage: 15 VDC Rolls PS27s

Dimensions:

6.75"w x 4.5"d x 1.75"h

Weight:

3.5 lbs

ROLLS

www.rolls.com

Rolls Corporation
Salt Lake City, UT
9/19

QUICK START OPERATION GUIDE

FEATURES:

- 10 FM and 10 AM presets
- LCD digital display
- Output Level control
- Retains presets when power is off
- 1 space EIA 1/2 rack chassis
- RCA and XLR balanced line level outputs.

HR78X DISPLAY

- Band indicator and number.
- Stereo (ST) indicators. Indicates whether the HR78X FM Mode is operating in Stereo or Mono.
- Preset number (CH)- indicates which preset has been selected.
- Station frequency indicator

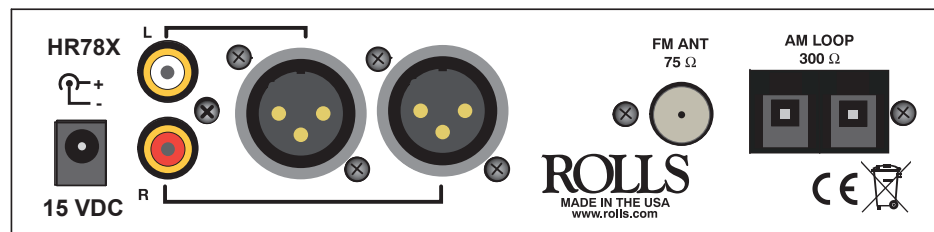


- **FREQUENCY DISPLAY:** LCD display showing the active information relevant to the current operation of the HR78X.
- **M1-M5 PRESET STATIONS:** Selects and Stores the Preset stations. (M+5 must be used for accessing presets 6-10)
- **M5+:** For accessing M6-M10 presets.
- **Mono/Stereo:** Selects between Stereo and Mono FM operation.
- **BAND:** Selects between the FM preset, and the AM preset band. FM1-FM2-AM
- **MEM:** When the desired station is selected, this button is pressed, followed by the desired Pre-set Station number, then MEM again to Store the preset.
- **VOL:** Adjusts the output level of both the RCA and XLR balanced line level outputs. PLEASE NOTE: FOR A LINE LEVEL OUTPUT, SET THE LEVEL CONTROL AT APPROXIMATELY 3 O'CLOCK.
- **TUNING (- and +):** Selects the stations that the HR78X is receiving. Pressing and holding the + or - buttons will auto search for the next station.

PROGRAMMING PRESETS

Select the AM or FM band you wish to program (AM, or FM). Using the TUNING +, or TUNING - buttons to select the station you wish to program. To store that station in a preset (1 - 10), press the MEM button followed by the Preset Number button you want that station stored to. Then press the MEM button once again to store the preset. (M+5 must be used for accessing presets 6-10)

You may repeat this process for all 10 FM presets, and 10 AM presets.



- 15 VDC USE ROLLS SUPPLIED PS27s ADAPTER ONLY!!!
- Stereo RCA Outputs .
- XLR balanced line level outputs.
- FM ANT. 75 Ohm: Connects to the included 75 ohm FM antenna.
- AM LOOP ANT. 300 Ohm Connects to the included 300 ohm AM Loop antenna.

INDOOR FM ANTENNA

• Connect the antenna to its corresponding input on the rear panel of the HR78X. While listening to a broadcast, move around until the antenna is facing a direction where the signal comes in the strongest. Secure the antenna in this position.

OUTDOOR FM ANTENNA

- Installation of an outdoor FM antenna is recommended for a very high quality FM reception.
- The lead-in antenna cable should be of the 75-ohm coaxial type as it suppresses intrusion of noise more effectively than the 300 ohm twin lead type.
- The cable should be straight and as far away from power lines as possible. Cut off any extra length.