



ANTENNA EXPERTS

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Model FM-1 87.5 – 108 MHz. Unity Gain

INSTALLATION MANUAL – FM BAND BROADCAST ANTENNA

NOTICE:

Installation, maintenance or dismounting of the antenna system requires qualified and experienced personnel. Antenna Experts antenna Installation instructions have been prepared and are meant for skilled personnel only.

Antenna Experts disclaims any liability or responsibility as a result of improper or unsafe installation practices.

MATERIALS:

Following materials are used for the fabrication of Antennas and its accessories.

Radiating Dipole and Boom:	Aluminum.
Fasteners:	All Stainless Steel.
Dipole Inter-connecting Strip.	Stainless Steel
Connector:	Silver Plated Brass body with Gold plated pin.
Balun Housing:	NYLON
Insulator:	NYLON.

PACKING LIST:

<u>Sl. No.</u>	<u>Item/Description</u>	<u>Quantity</u>
1.	FM Broadcast Antenna.	1 Each.
2.	Dipole Inter-connecting Strip.	1 Each.
3.	Mounting Hardware.	1 Set.
4.	Installation Instruction.	1 Each.
5.	Test Report.	1 Each.

INSTALLATION INSTRUCTION :

1. Unpack the Fm Broadcast Antennas from the packing box.
2. Assemble 4 dipole arms of the antenna to support boom of FM broadcast antenna as per marking provided on the support boom and dipole arms.
3. Connect the dipole inter-connecting strip to the dipole arms as per marking with the help of supplied stainless fasteners.
4. Install the antenna on the side of a tower pipe taking care that both set of dipole arm make a angle of 45 Degrees with respect to horizontal plane with help of supplied mounting hardware.
5. Connect the RF coaxial cable to the antenna termination.
6. Seal each connector against moisture ingress with a sealing tape.
7. Connect the Antenna feeder cable to the Transmitter.
8. Take VSWR reading by using through-line RF Power meter. The VSWR should never increase 1:3.
9. Keep the record of VSWR measurements for future reference.