

M-601C AM Broadcast Active Antenna

The M-601C is a fully sealed 26 inch long active antenna designed exclusively for the AM broadcast band. Operating between 530 and 1705 kHz, the high impedance E field antenna contains a proprietary signal amplifier and high pass filter for reduction of lower frequency interference caused by light dimmers and power lines.

The highly sensitive M-601C is an effective antenna for receiving within fringe areas where AM signals are weak and where a long wire antenna of equal gain would pickup noise or would not be practical to erect.

The M-601C works well as either a fixed station antenna or as a portable antenna suitable for AM DXing or as a broadcast sampling antenna - sensitive yet compact. With internal battery power, the M-601C can be used with most any portable receiver.

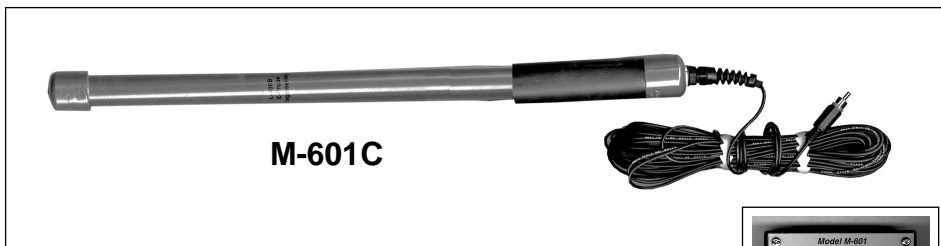
The antenna is easily pipe mounted with supplied stainless steel hardware, and connects easily to the antenna input of your BC receiver. The M-601C is supplied with an interface coupler and 50 feet of RG-174/U coaxial cable.

For operation with BC receivers that do not have a wire antenna input connection, the M-601 may be inductively coupled (wireless) to the receiver's internal loop antenna with accessory AC-600. The accessory inductive coupler provides an impedance matched broadband connection that will give full BC band coverage with minimal coupling losses. The AC-600 will typically couple within 1 to 2 inches of the receiver's own BC antenna providing the user with complete control over input signal amplitude.

THE FIRST ACTIVE ANTENNA
DESIGNED EXCLUSIVELY FOR
AM BC - AMAX READY

Features

- ◆ 530 - 1705 kHz \pm 3 dB broadband coverage, (no tuner required).
- ◆ High pass filter in antenna reduces low end band noise.
- ◆ 23 dB power gain.
- ◆ Antenna E-probe is fully sealed.
- ◆ Extended ESD and RF protection.
- ◆ Uses two standard 9 volt NEDA or 120 VAC external supply, low 10 mA drain.
- ◆ 50 ft. of RG-174/U with RCA plug included with antenna.
- ◆ Stainless steel mounting clamp included with antenna.



M-601C



AC-600

Specifications



Operating Frequency broadband	530 - 1705 kHz \pm 3 dB
Internal Amplifier	23 dB power gain
Maximum Input Level	.4 Vrms / meter
Output Impedance	50 - 300 ohms
E Probe Size	26 inches long, 1 inch dia.
Antenna Coupler Size	4" x 2-1/8" x 1-5/8"
Coaxial Cable	50 ft. RG-174/U w/RCA
Operating Temperature	-25° to +120° F
Weatherproofing	Tested to 2 atmospheres (-66 ft.)
DC / AC Power Requirements	9 volt NEDA (2), 10 mA typical, external 120 VAC / 12 VAC

LF Engineering Co. Inc.
17 Jeffry Road
East Haven, CT 06513

(860) 526-4759 - Sales
(203) 467-3590 - Technical



M-601C AM Broadcast Active Antenna

Superior Reception for Superior Sound AMAX Sound

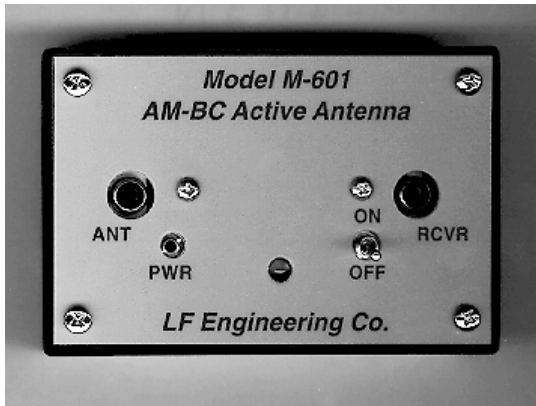
AMAX stands for AM at its MAXium, and represents significant improvements in performance standards for the next generation of AM receiving equipment. Receivers displaying the new AMAX certification mark meet the new sound quality standards established by the National Association of Broadcasters and the Electronic Industries Association. AMAX certified receiving equipment with adjustable bandwidth tuning and effective noise reduction circuitry capture the full fidelity of AM mono and AM stereo broadcasts with amazing clarity.



If AMAX is your route for improving AM listening, then the LF Engineering M-601C Active Receiving Antenna is your natural choice for use with your AMAX receiving system.

Easy to install and operate with no unsightly wires or whip antennas. The M-601C is omnidirectional and operates fixed tuned for full bandwidth AM broadcast reception.

Durable PVC construction, weatherproofed, and RF & ESD protected.



Interface coupler operates from battery, or external AC powerpack (supplied).

LF Engineering Co.

Manufacturers of Low Frequency Equipment for LF Communications and Natural Radio Research.



E-probe housing is O-ring & epoxy sealed. Strain relief for permanent cable protection.

The M-601C active antenna for AM broadcast reception represents only one innovative product designed and manufactured by LF Engineering Co. for hobby and research. For more product information, ask for our free Low Frequency Products Catalog.

LF Engineering Co. Inc.

17 Jeffry Road
East Haven, CT 06513

(860) 526-4759- Sales (203) 467-3590 - Technical