

*Channel Master*<sup>®</sup>

TITAN 2<sup>™</sup>  
preamplifier series

# USER GUIDE

CM-7777

CM-7778

**CM-7777**



Mast Mounted  
Antenna Preamplifier  
UHF/VHF/FM

For Weak Signal Areas

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**CM-7778**



Mast Mounted  
Antenna Preamplifier  
UHF/VHF/FM

For Moderate Signal Areas

TITAN 2™

## Product Overview

The Channel Master TITAN 2™ CM-7777 preamplifier is a high gain, low noise preamplifier used for weak signal areas. The CM-7777 takes a weak signal that is present at the antenna and amplifies it to a viewable strength. In areas with fairly strong signals, use our medium gain preamplifier (CM-7778). TITAN 2 Preamplifier's improved gain is perfect if you anticipate distributing your signal with a digital splitter to multiple outlets throughout your house as splitters reduce the signal strength available at each output. The new housing includes a combined VHF/UHF input and a single output for a simpler indoor or outdoor installation.

## Product Features

- Amplification for both VHF and UHF bands
- High gain and low noise
- Includes switchable FM trap
- Amplifies digital and analog signals
- Perfect for moderate (CM-7778) or weak (CM-7777) signal areas

## Package Contents and Accessories

All Titan 2™ amplifiers include:

- Power Inserter
- Power Supply
- 6 ft Coaxial Cable
- Hardware
- User Guide

# INSTALLATION

1. **Internal switch selection.** If you are using a single antenna for TV signals only, there is no need to adjust the internal switches in the amplifier.

**NOTE:** If you are using the antenna for FM radio signals as well as TV, then select the “**OUT**” position on the FM trap switch. See **Fig 1**.

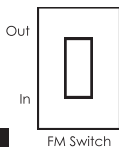
2. Using the **U CLAMP**, mount the grey outdoor amplifier to the mast below the antenna. See **Fig 2**.
3. With a short length of coaxial cable (not included), connect the antenna to the “**INPUT**” on the amplifier. See **Fig 2**.
4. Connect the down lead coaxial cable (not included) to the connection labeled “**OUTPUT/POWER.**” Cable tie the cable to the mast to prevent stress on the connector.
5. Run the down lead coaxial cable (not included) into the home to a location where an AC power outlet is available. Connect this coax to the connection labeled “**TO AMP**” of the power inserter. See **Fig 2**.

**IMPORTANT:** There should NOT be any signal splitters located in this coaxial cable line between the outdoor amplifier and the indoor power supply. Splitters must be located on the “**TO TV**” side of the power inserter. See **Fig 3**.

6. Connect the coaxial cable (not included) that distributes the signal to the TV to the “**TO TV**” port of the power inserter and connect the power supply to the “**DC IN**” port of the power inserter with the six foot

## Amplifier, Bottom View

To change settings,  
remove four screws from  
the cover.



**Fig 1**

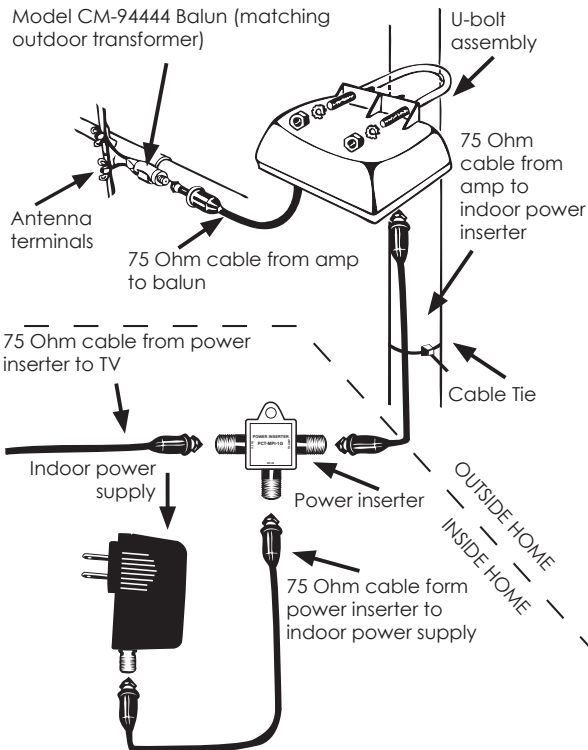
coaxial cable (included). See **Fig 2**. Plug the power supply into the AC outlet.

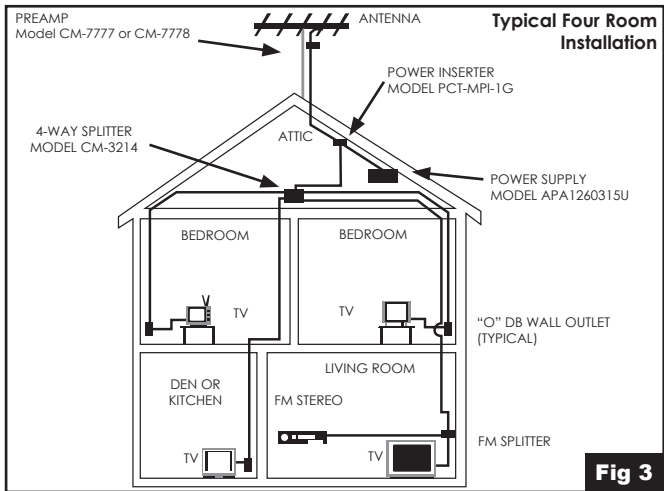
## Amplifier, Mast Mounted

Model 7777 or 7778

**Fig 2**

Model CM-94444 Balun (matching outdoor transformer)





## Features and Technical Data for the Titan 2 Series

- Number of Inputs .... 1
- Input/Downlead ..... 75 Ohms
- Connectors ..... F
- Switchable FM trap
- Gain ..... VHF 30 dB / UHF 30 dB (CM7777)  
VHF 16 dB / UHF 16 dB (CM7778)