

# OWNER'S MANUAL

## SIGNAL COMMANDER® II



THIS MANUAL CONTAINS  
INSTRUCTIONS FOR: **MOD 3000**

- INSTALLATION
- TROUBLESHOOTING
- WARRANTY

### **AntennaTek, Inc.**

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## SECTION I INSTALLATION INSTRUCTIONS

This manual contains information on the following Signal Commander® models; the model you have purchased is clearly marked on the front of this manual.

MODEL 3000	Amplified Antenna, no Power Supply
MODEL 3500	Amplified, 2nd TV & Cable TV Ready

### MOD 3000 PARTS LIST

Qty.	Description	P/N
1	Omni Antenna Assembly	062200
9	# 6X3/4" PPH SS Screws	030212
2	Coaxial Cable Boots	040102
1	Roof Mounting Bracket	062206
1	Clamp bracket	062208

### MOD 3500 PARTS LIST

Qty.	Description	P/N
1	Omni Antenna Assembly	062200
1	15' Coaxial Cable with boots	065580
1	6' Coaxial Cable	065543
10	#8x1" PPH Screws	065581
9	# 6X3/4" PPH SS Screws	030212
2	Coaxial Cable Boots	040102
1	Roof Mounting Bracket	062206
1	Clamp bracket	062208
1	Power Supply	065840

### TOOLS AND SUPPLIES

#### REQUIRED:

#### Mechanical Installation

- Electric Drill
- Drill bit: 1/16" Dia.
- Phillips screwdriver # 2
- Tape Measure
- 3/8" Wrench
- 5/32" Allen Wrench

#### Electrical Installation

- Multimeter
- Sabre Saw
- Crimping tool

#### Supplies

- Caulking Compound
- Electrical Tape
- Electrical Wire 14 AWG
- Electrical Box

#### DISTRIBUTORS:

##### AUSTRALIA

Coast Connection  
(02)9684-1434

##### CANADA

Danzly Distributors  
(877)326-9962

##### NEW ZEALAND

RVWholesale  
64-7-825-2044

##### USA

Arrow (800) 228-1001  
Coast (800) 495-5858  
DTI (800) 289-0919  
Keller Marine (570) 374-8169  
Pantera Sales (800) 456-0123  
AntennaTek (888) 349-8303

## 1. Installation Planning

Follow the instructions in this manual in conjunction with the RV manufacture's recommendations to locate and install the Signal Commander Antenna and power supply.

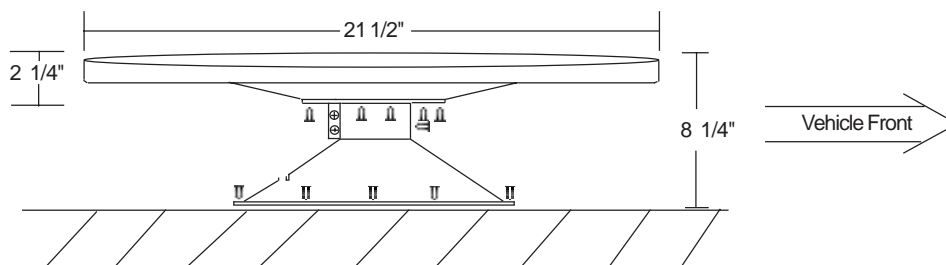
Locating the antenna close to the television receiver and the 12 Volt DC power source will simplify the installation. For best reception, stay as far as you can from other roof mounted equipment to avoid any interference.

Power supplies should not be connected to existing circuits with fans or motors as this may cause interference to the television, damage the antenna amplifier, and void the warranty.

Power supplies should be flush mounted in standard electrical boxes. Assure that the 12 Volt DC source is limited by a 7.5A fuse maximum.

### WARNING !

**Electricity Kills!**  
**Power lines may be overhead.**  
**Care must be taken when installing the antenna.**



## 2. Installation

### WARNING!

**Before drilling, care must be taken not to damage any wiring that may be located between the vehicle roof and ceiling.**

Step 1: Select the area where the antenna will be installed. Drill one 1/2" OD hole through the roof only, for the coaxial cable. Feed the end of the coaxial cable through the hole on the mounting bracket. Route the coaxial cable to the area where the primary power supply will be installed.

Step 2: Seal the bottom of the mounting bracket with non-hardening sealant. Center the mounting bracket over the hole with the coaxial cable and mount it on the roof with 10 #8x1" fully threaded sheet metal screws. Seal the top of the screws. Assure that the hole for the cable is facing the rear of the vehicle.

Step 3: Mount the clamp bracket to the antenna using 9 #6x3/4" sheet metal screws. Attach the coaxial cable to the antenna and slide over the coax cable boot.

Step 4: Place the antenna on top of the mounting bracket, with the cable facing the rear of the vehicle. Tighten the 2 #10 -24 screws using a 5/32" Allen wrench and a 3/8" wrench. Slide the coax cable boot over the hole on the mounting bracket. Insert the # 8 x 3/4" self tapping screw in the hole in the front of the clamp bracket, using a #2 Phillips screw driver, drive the screw through the mounting bracket.

Step 5: The power supply is designed for installation in any standard electrical box. To mount the

**Warning:**  
**Do not connect high current devices to 12 Volt receptacle.**  
**Maximum current rating of this receptacle is: 7.5 Amps at 12 Volt DC.**

**Warning:**  
**Use of this power supply with any product other than AntennaTek amplified RV antenna could result in fire or other damage.**



power supply, cut a hole in the wall and install the electrical box. Place the power supply switch in the "OFF" position. Run two wires # 14 AWG or heavier from a 12 Volt DC power source to the rear of the power supply.

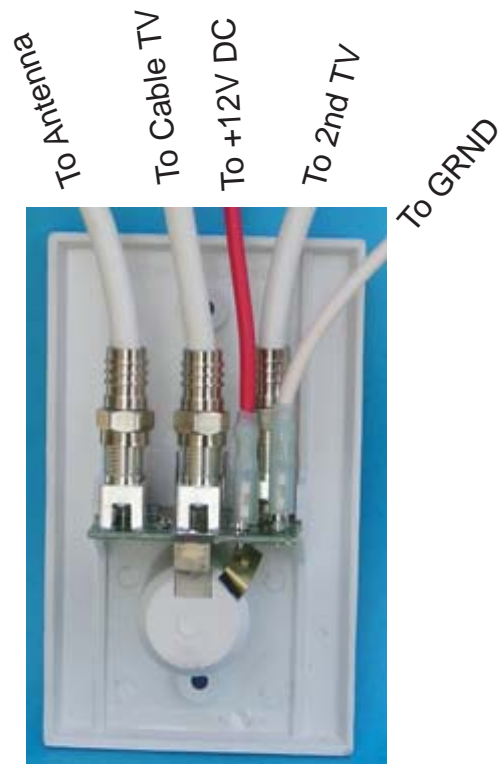
**CAUTION:** *The red wire is positive (+)  
The white wire is negative (-)*

Assure that the 12 Volt DC power source current is limited to 7.5A at 12-volt DC.

Crimp the insulated quick disconnects onto the wires and push wires onto tabs on the circuit board (see power supply illustration for correct polarity). Place switch in the "ON" position and notice the red LED illuminate. This indicates correct polarity. Place switch in the "OFF" position to avoid any short circuits while making cable connections.

Step 6: Connect the coaxial cable from the antenna to the connector marked "Antenna" on the rear of the power supply.

Step 7: To connect the second power supply available as an optional accessory, run two # 14 AWG or heavier wires from a 7.5A limited 12 Volt DC power source and connect to the rear of the power supply. Insulate the DC connections with wire nuts and insulating tape. Attach a coax cable from the rear of the second power supply to the connector marked 2nd TV in the rear of the main power supply.



Step 8: Place the power supply(s) inside the electrical box(s) and mount flush with 2# 6x3/4" flat head screws. Attach the coaxial cable(s) to the front of the power supply(s) and connect to the television set(s).

Step 9: Turn the switch ON on the main power supply. Tune the TV receiver to the nearest TV station. Turn the switch on the power supply OFF, the picture on TV receiver should be degraded. This indicates that the antenna is working properly.

## SECTION II TROUBLESHOOTING

<b>Problem</b>	<b>Cause</b>	<b>Action</b>
LED on power supply does not light up	Switch off DC power Coax cable shorted	Turn switch ON Check 12 V DC supply, & polarity Replace coaxial cable The power supply is equipped with a current limiting device, which will shut off the power if there is a short on the coaxial cable or the antenna.
Picture not clear	Television Wiring Antenna cables  Power supply  Vehicle location	Tune in or change station See installation steps 6-8 Coax cable going to antenna head should have 12V DC, between center conductor and outside shield. Switch ON (or OFF if you are too close to TV transmitter) Move vehicle
<b>Note: Signals may be interfered with if the antenna is too close to obstructions such as buildings or trees.</b>		

## SECTION III WARRANTY

### LIMITED WARRANTY

AntennaTek, Inc. warrants this Signal Commander antenna, against any defects in material or workmanship for one year from the date of purchase. AntennaTek, Inc., at its option, will repair or replace the defective product, at no charge to you, provided that AntennaTek receives notice of a defect within one year from the original purchase.

Promptly notify the seller, or alternately AntennaTek, of any claim hereunder. Provide proof of purchase to qualify for credits under provisions of coverage. Obtain Authorization to Return from AntennaTek and return the product to: AntennaTek, Inc., 425 S. Bowen St., Suite 4, Longmont, CO 80501, Phone 303-772-9591.

This warranty does not cover: any expenses for removal, travel, shipping, installation of the product, damage due to misuse, improper installation, severe weather conditions, or other occurrences over which AntennaTek has no control.

ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO ONE YEAR FROM THE DATE OF PURCHASE. LIABILITY FOR INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES FOR ANY INCIDENTAL EXPENSES, UNDER ANY AND ALL WARRANTIES IS EXCLUDED.

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

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