



## INTEROPERABLE SATELLITE RADIO 275-FOOT; NINE RECEIVER SYSTEM

EXTREME CAUTION SHOULD BE TAKEN WHEN MOUNTING THESE COMPONENTS TO THE BUILDING. AVOID POWER LINES & FOLLOW ALL LOCAL INSTALLATION CODES FOR INSTALLING THIS TYPE OF EQUIPMENT.

### KIT INCLUDES:

1. AMPLIFIED ANTENNA ON A BRACKET
2. J-POLE, VAPOR WRAP, 2 TIE WRAPS, & U-BOLT.
3. 175' CABLE
4. MODIFIED IN-LINE AMPLIFIER
5. 100' RG-58 TYPE CABLE
6. PASSIVE 3-WAY SPLITTER
7. TWO- AMPLIFIER W/ 4-WAY SPLITTER W/ 20' CABLES (W/SMB)
8. TWO- 10' CABLES W/SMA

9. ONE – 10' CABLE W/SMB

Parts needed; that are **not supplied**.

- Six 5/16 X 3" lag screws to mount pole to building
- Six 5/16" washers
- Hardware to properly ground the system.
- Addition straps to support cable along beams.

**Adjusting the length of any of the cables will degrade signal performance.**

### INSTALLATION INSTRUCTIONS:

1. Take the antenna and mount it to the J-pole as shown below, with the supplied U-bolt. Attach the J-pole to the top or side of the building and secure as necessary. Make certain the amplified antenna is horizontal.
2. Attach the 175' cable to the antenna and wrap this connection with the supplied vapor wrap. Attach the cable to the J-pole to secure it with the supplied tie-wraps.
3. Feed cable through building and towards the receiver.
4. Attach the in-line amplifier to the 175' cable. It is very important that the side that does NOT state towards receiver is attached.
5. Connect the 100' cable to the other side of the in-line amplifier. Attach to the side of the in-line amp that has the label stating; "**OUT TO RECEIVER**". Feed the 100' cable towards the location of the receivers.
6. Feed cable through building and towards the receivers. Attach the INPUT of the passive 3-way splitter to the other end of the cable.
7. **IMPORTANT:** Using one of the 10' cables with SMA connectors on each end. Attach the first 4-way splitters to the output that is marked "OUTPUT 1" or signified in another way. (The splitter/output must be powered or plugged in for the entire system to work.
8. Using the second 10' cable with SMA connectors, attach the second 4-way splitter to the other output.
9. Attach the 10' cable with an SMB to the third output.
10. Attach each SMB connector of the splitter to each receiver. Plug in the AC adapter of each splitter into wall out-lets.



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