Model **CP-03318**

Circle Prime Manufacturing Inc.

INTEROPERABLE SATELLITE RADIO 500 FT.; SIXTEEN 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:

Item Description

1. INTEROPERABLE AMPLIFIED ANTENNA ON A BRACKET (CP-03264)
2. J-POLE, VAPOR WRAP, 2 TIE WRAPS, & U-BOLT. (CP-03265)
3. ONE - 100’ RG-58 TYPE CABLE (CP-03247)
4. TWO – 200’ RF 195 LOW LOSS TYPE CABLE (CP-03249)
5. TWO - 41 dB IN-LINE AMPLIFIER (CP-03243)
6. ONE – 4 WAY PASSIVE SPLITTER (CP-03283)
7. FOUR – 10’ RG-58 LOW LOSS TYPE CABLE (CP-03293-2)
8. FOUR – 4 WAY ACTIVE SPLITTER, w/SMB OUTPUT (CP-03263)

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.

CAUTION: **1) Do not cut the supplied cables nor increase cable length by inserting additional cable sections. Adjusting the length of any of the cables will degrade signal performance.**
2) Maximize separation between In-Line Amplifers.
3) Completely uncoil the 100’ and both 200’ cable assemblies and route them by opening to their full extended length. Do not leave unused cable coiled near the In-line Amplifiers.
4) Verify that the In-line Amplifiers are spaced by a minimum physical separation of 30’.
5) Verify that one active 4 way splitter with DC power output is connected to output port 1 on the 4 way passive splitter. (See Figure 1 below)

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 100’ 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 receivers.
4. Attach the first in-line amplifier to the 100’ cable. Ensure that the output port of the amplifier is left open to connect the next cable down line.
5. Connect the first 200’ cable to the open port of the in-line amplifier. Attach this cable to the side of the in-line amplifier that has the label stating **“OUT TO RECEIVER”.** Feed the 200’ cable towards the location of the receivers. Add the second in-line amplifier and second 200’ cable following the same procedure.
6. Feed cable through building and towards the receivers.
7. Attach the INPUT of the passive 4-way splitter to the open end of the last 200’ cable.

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8. **IMPORTANT:** Using one of the 10’ cables with SMA connectors, attach one of the active 4-way splitters to the output of the passive 4 way splitter marked **“OUTPUT 1”**. (This passive splitter output must be connected to one of the active splitter inputs to provide power for the entire system to operate.)
9. Using the last three 10’ cables with SMA connectors, attach the remaining active 4 way splitters to the other passive splitter outputs, in the same manner.
10. Attach each SMB output connector on the active splitters to each SDARS receiver required to operate.
11. Plug each active splitter’s AC/DC adapter into a standard 110 VAC receptacle.

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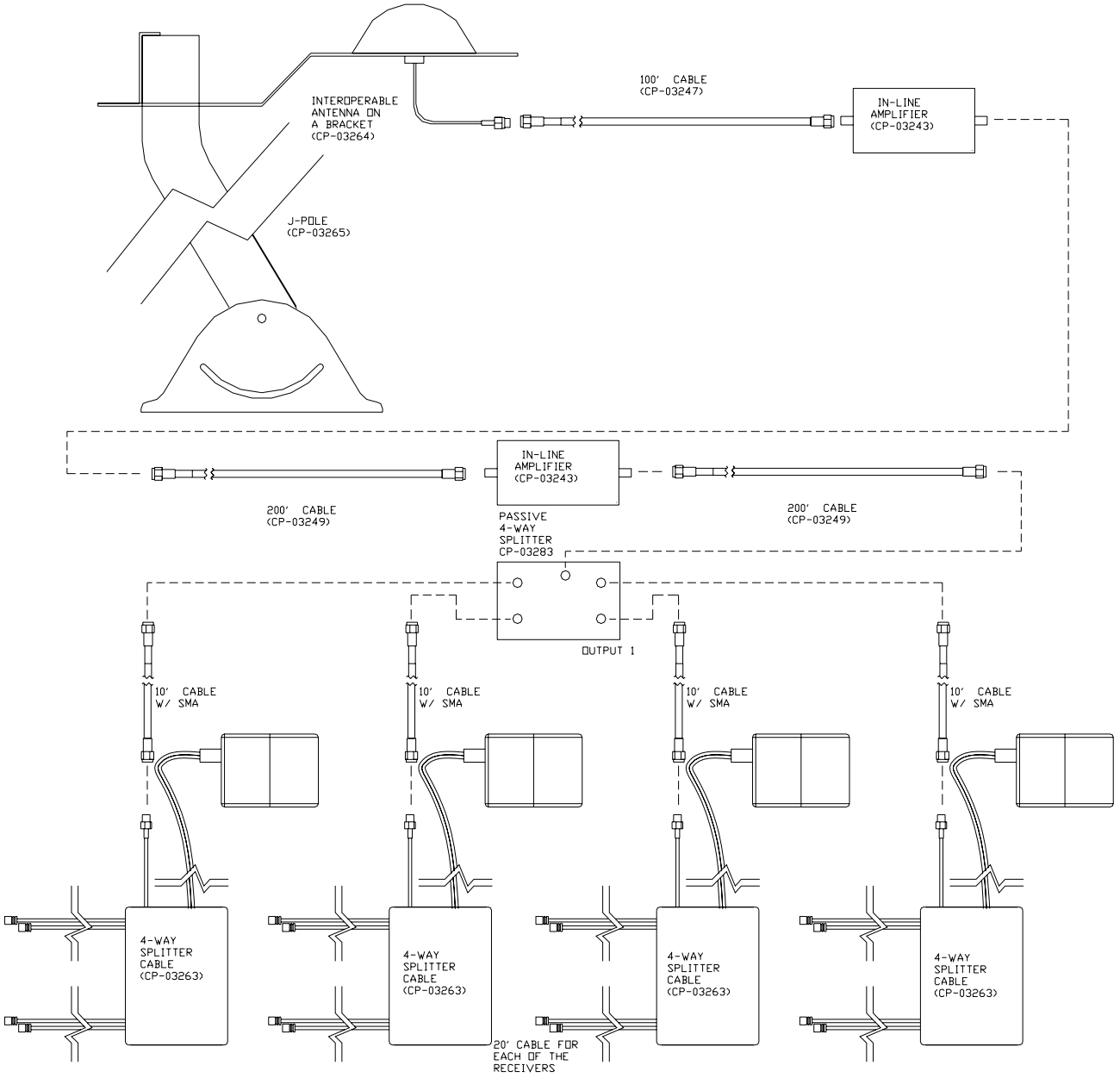

Figure 1