

CAE-700 Dual Band Building Repeater Package

For Buildings up to 7,500 Square Feet

(12,500 square feet with OPT03 kit)

We have come up with a Dual Band system that allows the combination of both PCS/Cellular, or PCS/Nextel with one set of antennas and cabling. This system is ideal for smaller applications such as offices, homes, and small factories or warehouses.

All CAE-700 Packages come with all you need to get the system working. Parts include:

- **PCS Band/Cellular** or **Nextel/PCS** Amplifier combination kit (FCC licensed).
- Dual-Band Fiberglass Omni Directional Exterior Whip Antenna
- 1 Ceiling Mount Multi-Band Omni Directional Antenna
- 2 Cables of 50' LMR-400 low loss double with connectors already attached.
- 2 - 800-2500 MHz multi-couplers
- Power Supplies for the Amplifiers
- Instructions

This system can handle up to 7500 square feet of area on 1 floor, or add the **OPT03** extension kit to cover 2 floors with a total area of 12,500 square feet.

Typical Installation Instructions

1. Mount the Dual-Band Fiberglass Antenna on pole located **ON THE ROOF**. The higher it is mounted, the better.
2. Install Amplifiers kit (SEE PICTURE #1) on an wall indoors at a cool, dry, convenient location. Make sure 120V outlets are available nearby to plug in power transformers (**IMPORTANT!!** Do not power up system yet!)
3. Run one 50' LMR cable from the rooftop antenna to the CAP210 splitter connection on the **OUTDOOR ANTENNA** side. (SEE PICTURE #2) Make sure to run the entire length of cable to maximize isolation.
4. Install & mount the Indoor ceiling mount Antenna on the ceiling. Make sure to install the antenna to give enough distance for the other 50' cable. (SEE PICTURE # 4)
5. Run the other 50' LMR cable from the indoor ceiling mount antenna to the other CAP210 splitter connection on the **INDOOR ANTENNA SIDE**. (SEE PICTURE #3) Make sure to run the entire length of cable to maximize isolation.
6. **IMPORTANT!!!** After making sure all connections are tight, then power up amplifiers using the power supplies.
7. Check Indicator lights to make sure each amplifier is functioning.



Picture 1.



Picture 2.



Picture 3.



Picture 4.

Using the OPT03 extension kit

1. After step # 3 in the “**Typical Installation Instructions**”, Using the **3’ LMR cable**, connect the **2 Way Splitter** to the side labeled “**INDOOR ANTENNA**”. (See *Picture 3*.)
2. Mount the 2 Internal Ceiling Antennas, making sure they are spread apart far enough to minimize feedback issues. (See *Picture 4*.)
3. **NOTE:** Run the two 50’ LMR cables from the mounted Indoor Ceiling Antennas to the **2 Way Splitter**.
4. Make sure all cables are tight, then power up amplifiers.
5. Check Indicator lights to make sure each amplifier is functioning.