

Operational description

1. The equipment is designed to efficiently improve weak RF signal in the area.
2. The Signal source will directly affect the efficiency of the indoor service range, so that you should use caution on the location of setting up the outdoor antennas.
3. The equipment is a two-way signal amplifier that requires (outdoor antenna) attention to the isolation between the input and output to avoid the interference. While setting up, please widen the distance between the indoor and outdoor antennas. (At least 70dB isolation)
4. The equipment is gain adjustable for uplink/downlink and the end-user can adjust the unit for the best condition.
5. The antenna lead from the outside antenna signal should be connected on the inside to the input side of the equipment. The outdoor signal level should keep at least on -80dBm, and never exceed +15dBm.
6. Making the Link budget before setting up (Note 1)
7. For iDEN system, choose 8D or RG8U, 50OHM; cable or better for low loss.

Note 1: Link budget means deducting the return lose of cable, connector, and splitter, if used, from outdoor antenna as well as add the gain of repeater and antenna referred to as the indoor service range. This can be the estimation of service range before construction. If the link budget data is negative, place a pre-amplifier, higher powered antenna, lower loss cable.