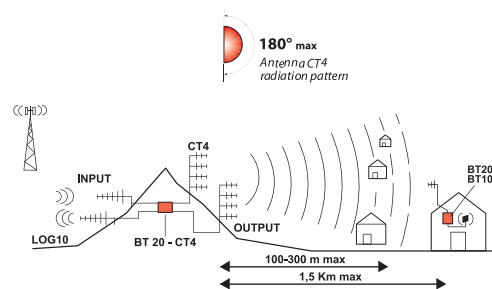


## REPEATER-EXTENDER GSM/GPRS 900MHz

High gain, Wide coverage



**Deep Coverage: 1.500m max**

### BT 20-CT4 KIT

## BT 20-CT4

Efficient and very reliable repeater for mobile telephone **OUTDOOR-OUTDOOR** applications able to extend **GSM-GPRS signal on 900MHz band** on **small valleys, villages, hills and open-air working areas, shadow zones.**

It operates on **wide range** and supports voice and GPRS/EDGE standard speed data traffic with capacity of **20-30 simultaneous communications** in good field condition on input side.

Very high gain **better then 95dB** in down-link channel with low noise antenna preamplifier. It uses **double antennas system**: two directional antenna on input side (angle 20-30°) and two collinear output antennas with adjustable radiation angle, necessary for high gain system.

**Installation:** **input antennas** must be placed on good signal position, **output collinear** antennas on **shield position** than input side against oscillations and signal interference also at provider network.

After installation check correct operation by spectrum analyzer instrument.

**Installation strictly by qualified technician.**

#### Minimum requirements for correct operation:

- **Good input signal level**
- Signal coming directly from provider cell, **no reflexion**
- **Good electric shield insulation** between **input and output side** of repeater antennas

To obtain sure shield between input and output, use coax **cables extensions 10-20-33mt.**

**Delivery kit** includes all the main hardware for easy installation:

- **2 input directional antennas LOG10 with 10mt cable and connectors**
- **2 output collinear antennas CT4 (max coverage angle 180°) with 10mt cable and connectors**
- **1 main amplifier**
- **1 antenna preamplifier**
- **1 AC power supply 110-230VAC 50Hz**

#### Options:

- Extension coax cables **PR10-20-33mt**, pag.22
- Solar panel with battery kit pag.23
- Very high gain input collinear antennas **COL2-COL4**, pag.25