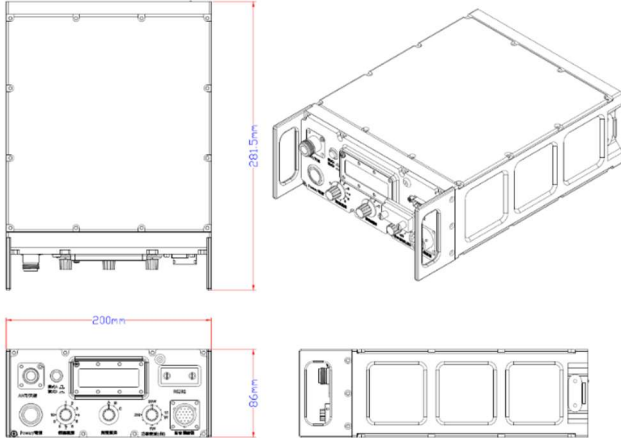




Super TaiRa Voice Radio

System Specification

- Point to Point transmission Architecture -

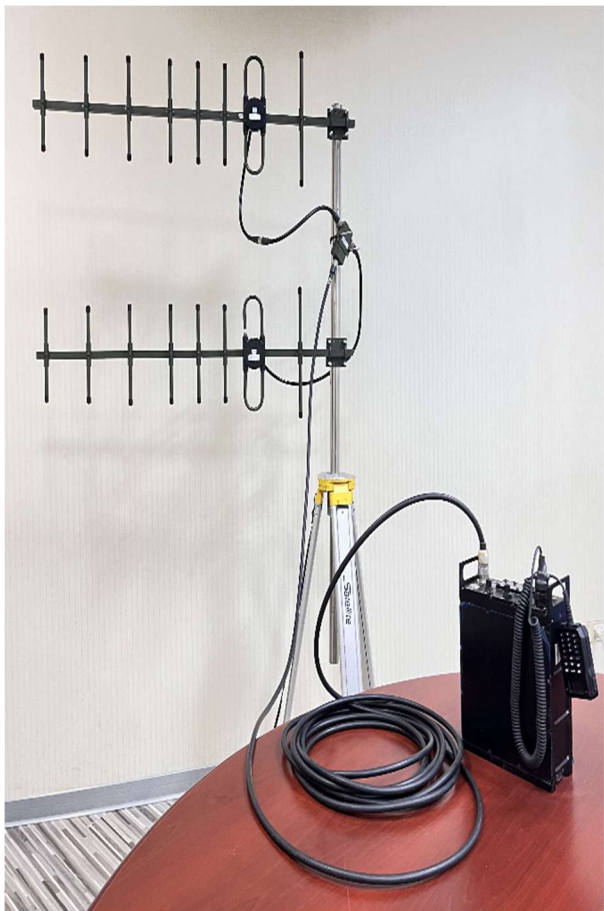
- Product Name : Super TaiRa Voice Radio
 - Product Model : KBTG-60d-83
 - Product No. : 2G00-T8150M-G00
 - Product Weight : 4.5 kgs.
 - Product Dimension : 281 x 200 x 86 mm
- 
- Frequency Range : 860.25 MHz ~ 869.75 MHz
 - Channel Bandwidth : 250 KHz
 - Channel Selectivity : 80 dB
 - Modulation : Chirp Spread Spectrum
 - Transmit Way : Two-way / Half duplex
 - Communication Distance :
100 km (NLOS) ~ 1,000 km (LOS)
 - Receiving Sensitivity : -123dBm ~ -126dBm
 - Data Rate: 4K bps.
 - Transmit Power : 50 dBm Max.
 - Power Consumption : 30V DC x 4.3A
 - Operating Temperature : -10°C~50°C
 - Storage Temperature : -20°C~60°C
 - Power Supply : 110~240VAC to 30VD Adapter
- Optional Antennas :
 1. 120 cm Dual Yagi (Gain = 16 dB)
 2. 120 cm Single Yagi (Gain = 13 dB)
 3. 120 cm Omni (Gain = 8 dB)
 - I/O : Voice (PTT)

1. Antenna Installation

2. PTT Installation



Option #1
Antenna Installation by Omni



Option #2
Antenna Installation by Yagi

Operation Interface : Knob



Change Parameters Setting

Mode :

Either A or B can be selected.

A = Sensitivity - 123 dBm

B = Sensitivity - 126 dBm

Channel:

There are 30 Radio Channels can be selected.

1 Step = 250 KHz

Channel #1 = 860.25 MHz

Channel #2 = 860.75 MHz (and so on....)

Channel #30 = 869.75 MHz

Transmit (TX) Power :

There are 10 Transmit Power can be switched.

12W = 41 dBm

16W = 42 dBm

20W = 43 dBm

25W = 44 dBm

32W = 45 dBm

40W = 46 dBm

50W = 47 dBm