

CS-TR8500

Professional DMR Repeater



**New Repeater Package COMSYSTEMS-TR8500 Pack1 including:
Carrying Case , Antenna,Transportable Tactical Mast with Solar Panel Systems .**

OVERVIEW

With sleek form factor, powerful digital feature, versatile and powerful communication experience and low power consumption, this DMR repeater is engineered for economic cost of ownership, shopping mall, logistics, airports, docks, etc. It also supports IP networking and simulcasting to delivers high reliability radio service with all the features required to connect a single site conventional system, or powerful capabilities as your needs evolve.

HIGHLIGHTS AND BENEFITS

Compact and Space-efficient Design

Standard 2U height rack mount, built-in power and duplexer(optional), it benefits for space-saving and fast deployment. (option transportable version)

Rock-solid Performance

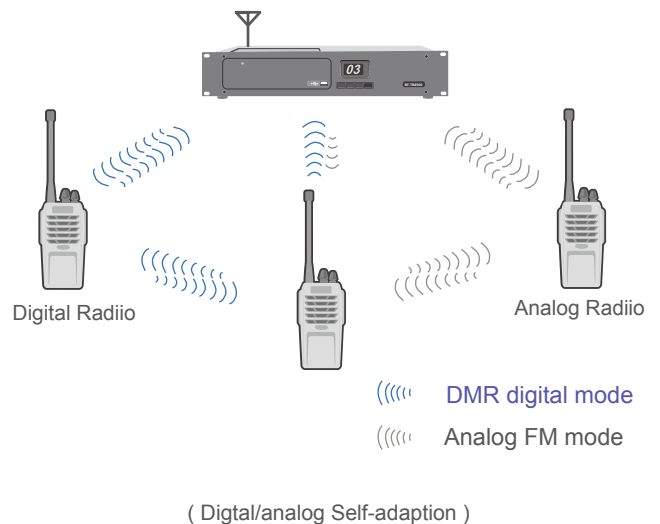
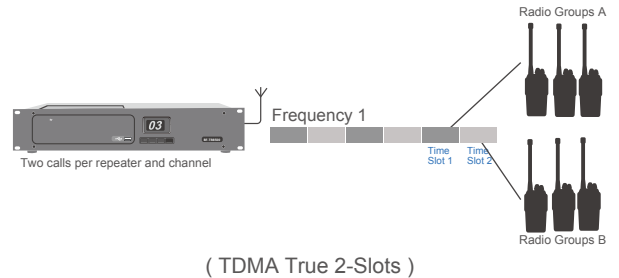
- Combined with the 50W transmit output power, this gives you clear voice quality, even in the most adverse conditions.
- Support GPS+BDS satellite positioning(optional).

Round-the-clock Reliable Operation

Built-in features such as AC/DC power converter, battery charger which could keep working status once AC power is lost, error indication, etc.

Access to IP Connect System

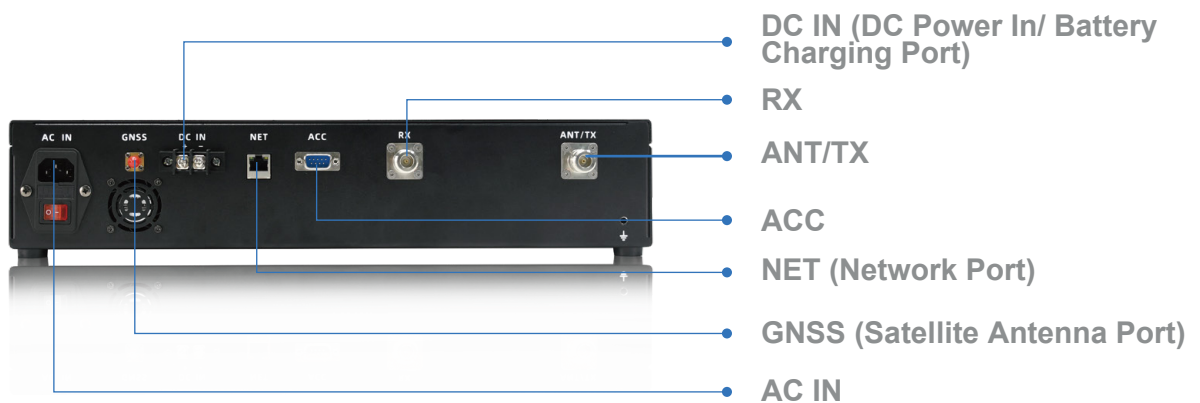
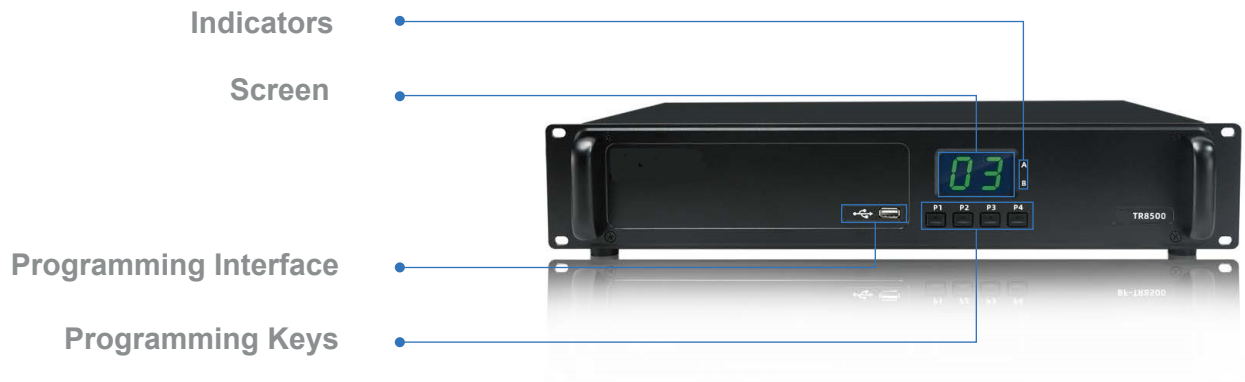
It is compatible with some comsystems architectures: BDC (conventional sites), BDS (simulcast), SDC (smart IP connect), which allows you to build applications based on actual requirements.



SPECIFICATION

General	
Frequency Range	VHF: 136-174MHz UHF: 350-390/400-470/450-520MHz
Channel Capacity	99
Channel Spacing	12.5KHz
Antenna Impedance	50Ω
Operating Voltage	DC13.8V(±15%), negative ground AC110V/AC220V
Current	< 9A
Operating Temperature	-30℃ ~ +70℃
Storage Temperature	-40℃ ~ +85℃
Dimensions (W×H×D)	2U/19 inches
Weight	14kg
Transmitter	
RF Output Power	5-50W (continuous)
Frequency Stability	≤±0.5ppm (without GPS) ≤±0.02ppm (with GPS)
4FSK Modulation	12.5KHz (data only): 7K60FXD 12.5KHz (data and voice): 7K60FXW
Adjacent Channel Power	≤60dB
Spurious Radiation	-36dBm<1GHz -30dBm>1GHz
Vocoder	AMBE
Receiver	
Sensitivity	3%BER≤0.35μV
Frequency Stability	≤±0.5ppm (without GPS) ≤±0.2ppm (with GPS)
Adjacent Channel Selectivity	≥60dB
Intermodulation Immunity	≥70dB
Spurious Response	≥70dB
Blocking	≥95dB

Function Key Description



Standard Accessories

