

Specifications

| General                      |                                                                          |
|------------------------------|--------------------------------------------------------------------------|
| Frequency Range              | VHF:136-156/150-174MHz<br>UHF:340-370/370-390/400-430/420-450/440-470MHz |
| Channels Capacity            | 99                                                                       |
| Channel Spacing              | 12.5KHz                                                                  |
| Working Voltage              | DC13.8V(±15%)                                                            |
| Frequency Stability          | ±0.5ppm                                                                  |
| Antenna Impedance            | 50Ω                                                                      |
| Weight                       | 9.7kg                                                                    |
| Dimensions                   | 485(L)*375(W)*90(H) mm                                                   |
| Transmitter                  |                                                                          |
| Power Output                 | 50W                                                                      |
| 4FSK Modulation              | 4K00F1E                                                                  |
| Vocoder                      | AMBE+2™                                                                  |
| Receiver                     |                                                                          |
| Digital Sensitivity          | 3%BER≤0.35uV                                                             |
| Intermodulation              | ≥70dB                                                                    |
| Adjacent Channel Selectivity | ≥70dB                                                                    |
| Spurious Suppression         | ≥70dB                                                                    |
| Audio Power                  | 2W(8Ω)                                                                   |
| Max Audio Power              | 10W(8Ω) external                                                         |
| Blcoking                     | ≥95dB                                                                    |

BelFone reserves the right to update or change the above specifications without any prior notice. For more information please visit [www.belfone.com](http://www.belfone.com).

BelFone reserve the right to change any specifications without warning due to the technology improvement.For more information, please visit [www.belfone.com](http://www.belfone.com) or contact marketing Fujian Beifeng Teleco@[belfonce.com](mailto:belfonce.com)



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**BF-TR8050**  
DMR Repeater

BelFone BF-TR8050 is a DMR high power repeater. With IP multi-site connections, BF-TR8050 can rapidly establish an extensive network for radio communications, while its strong anti-interference ability effectively secures the stability and privacy of the network. The high repeating power makes sure that the network covers every blind area and penetrates every obstacle.

- 50W High Repeating Power
- Strong Anti-interference Ability
- Good Heat Dispersion
- IP Multi-site Connections (Optional)

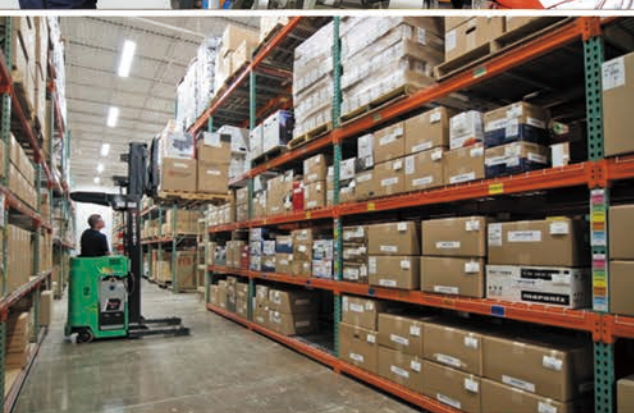


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# BF-TR8050

## DMR Repeater



## Highlights

### TDMA True 2 Timeslots

TDMA true two timeslots technology effectively doubles frequency efficiency, allowing BF-TR8050 to repeat two signals simultaneously. Repeating capacity is doubled.

### IP Multi-site Connection (Optional)

Support IP connection with other devices for multi-site connections and remote control. A private network can be quickly established and the coverage is further extended.

### Strong Anti-interference Ability

This delivers more stability and accuracy to the network. The users can enjoy uninterrupted, private communications.

### 50W Maximum Repeating Power

The 50W maximum repeating power can effectively extend the network coverage with less setup equipment.

### 99 Channels

BF-TR8050 supports a maximum of 99 channels, providing efficient radio network control for different scenarios.

### Good Heat Dispersion

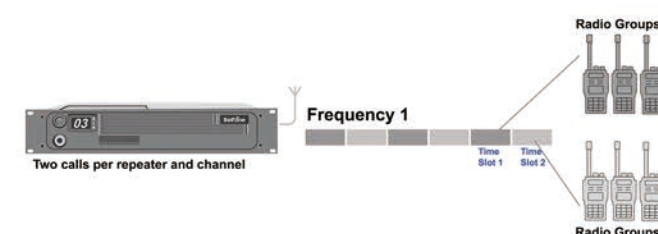
High quality built-in fans provide sufficient airflow for operation within the specified temperature range without derating.

## Features

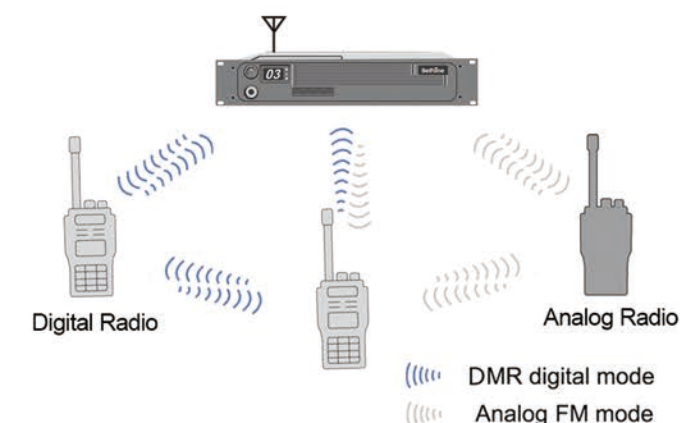
- 99 Channels
- Access Authentication
- 50W High Power
- Multi-tone Decode
- Color Code
- Digital/analog Self-adaption



### TDMA True 2-Slots



### Digital/analog Self-adaption



## Standard Accessories



Antenna Connector



DC Power Supply Cord

## Optional Accessories



Power Supply



Program Cable