

Straight-Talker BD502

Analog/DMR Digital radio

You can purchase and maintain this radio for less cost than just replacing batteries on other radios!

The radio of tomorrow is here today! The Hytera BD502!



Performance, Power, and Price

is a rare combination in portable 2-way radios. The *BD502* is an exception!

Many of us are guilty of keeping things (like radios) too long. We just simply believe that quality digital radios cost more than analog, and our old radios work "pretty good". We don't scream and holler when we get a \$150 repair bill, a \$60 battery or \$35 for reprogramming. We just pay it as a part of doing business. We don't even get upset when a repair takes two months. We can always rent some radios when needed. Now, you have an alternative – the *BD502* by Hytera!

The *BD502* is the big brother to the *BD302*. The major difference is more power (4 watts versus 2 watts), a top mounted channel knob which makes frequent channel changing easier that with up/down arrows. The *BD502* also has a more rugged accessory connector for industrial and public safety speaker-microphones and a desk charger for faster charging connection. There is also a price difference. Let's talk about that!

There are two ways to purchase. The first is to simply buy the radio at the best price possible. The *BD502*. priced at just \$290 including a 3 year warranty is a pretty good deal, but the deal is even better if you have some old radios to trade, and in particular if you purchase 10 or more

For a limited time, we are offering a special trade in program with a VERY generous trade-in allowance for your old radio, even those that are not in working condition! Just provide us with a complete radio including antenna, battery, and charger (clips if you have them). For this, you get a \$65 trade-in allowance. When you purchase 10 or more, you receive an additional \$36 discount, giving you a net price of only \$189! This is an incredible price and a LIMITED TIME OFFER! If you want a fantastic radio at an unbelievable price, NOW is the time to talk to us!



Call anytime – 205.489.2611 or Email ServingU@The-Communicators.net

BD502 SPECIFICATIONS

General

Frequency Range	UHF:400-470 MHz VHF:146-174 MHz
Channel Capacity	48
Zone Capacity	3
Channel Spacing	25/12.5KHz
Operating Voltage	7.2V
Battery	1500mAh (Li-Ion) 2000mAh (Li-Ion)
Battery Life (5/5/90)	Analog/Digital: 12/16 hours (1500mAh) 16/22 hours (2000mAh)
Weight	8 oz. (with AN0435W09 and BL1506)
Dimensions	4.25 x 2.13 x 1.14"
Frequency Stability	±0.5ppm
Antenna Impedance	50Ω

Receiver

Sensitivity (Digital)	0.22µV / BER 5%	
Sensitivity (Analog)	0.22µV (Typical) (12dB SIN AD) 0.4µV (20dB SIN AD)	
Adjacent Selectivity	TIA-603	60dB @ 12.5KHz/70dB @ 25KHz
Spurious Response Rejection	TIA-603	70dB @ 12.5/25KHz
Inter-modulation	TIA-603	65dB @ 12.5/25KHz
Hum & Noise	40dB @ 12.5KHz 45dB @ 25KHz	
Rated Audio Power Output	0.5W	
Rated Audio Distortion	≤3%	
Audio Response	+1 ~ -3dB	
Conducted Spurious Emission	<-57dBm	

Transmitter

RF Power Output	VHF High power: 5W VHF Low power: 1W UHF High power: 4W UHF Low power: 1W
FM Modulation	11K0F3E @ 12.5KHz 16K0F3E @ 25KHz
4FSK Digital Modulation	12.5KHz Data Only: 7K60FXD 12.5KHz Data & Voice: 7K60FXW
Conducted/Radiated Emission	-36dBm <1GHz, -30dBm >1GHz
Modulation Limiting	±2.5KHz @ 12.5KHz ±5.0KHz @ 25KHz
FM Hum & Noise	40dB @ 12.5KHz 45dB @ 25KHz
Adjacent Channel Power	60dB @ 12.5KHz, 70dB @25KHz
Audio Response	+1 ~ -3dB
Audio Distortion	≤3%
Digital Vocoder Type	AMBE++
Digital Protocol	ETSI-TS102361-1,-2,-3

Environmental

Operating Temperature	-30°C ~ +60°C
Storage Temperature	-40°C ~ +85°C
ESD	IEC 61000-4-2 (Level 4) ±8kV (Contact) ±15kV (Air)
Dustproof & Waterproof	IP54 Standard
Humidity	Per MIL-STD-810 C/D/E/F/G Standard
Shock & Vibration	Per MIL-STD-810 C/D/E/F/G Standard

All specifications are subject to change without notice due to continuous development.

Want to add an ear bud, surveillance headset, or speaker microphone? See info4u.us/ST-Audio-Accys.pdf.

A final word.....



We recently received these radios in for repair. They need antennas (\$15) Batteries (\$39) clips (\$8), Housings (\$25), knobs (\$5 each), labor (\$37), and return shipping (\$8 each) for a total of \$142. In lots of 10, they could get new BD502 analog/digital radios (old radios are analog only) with a three year warranty for \$189. What do you think they should do?



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