

Straight-Talker BD302

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 BD302!



You'll always get your man,

or woman, with our micro sized ultra affordable *Straight-Talker BD302* with the features and flexibility you'll find nowhere else! It's made by the second largest 2-way radio manufacturer in the world and brought to you by Falcon Wireless, the straight talking, square shooting company committed to serving YOUR needs!

Just 3.98" high x 1.93" wide by 0.98" thick, this tiny radio weighs in at just 5 ounces! If there ever was a perfect institutional radio, this is it! Better yet you can migrate from analog to digital progressively since the *BD302* can operate on both analog and DMR digital modes. In simple terms, it can hear and respond to either analog or digital radios and answer them in their native tongue. No channel switching is required. It's all automatic!

In the DMR digital mode, you get better audio than analog radios, regardless of price, plus more operating range, longer battery life and lower operating cost, made partially possible by our extended care three year warranty! The price is right, plus we've got special offers!

Pay just \$189 after instant rebate for the BD302 including long life battery, micro USP charging cable (just like your cellphone) and a three year factory warranty. If you have some older radios to trade (any brand or model), your cost is only \$121 including an extended 5 year warranty! This is a LIMITED TIME OFFER!

The BD302 (also known as "Teachers Pet" is perfect for school teachers, hospital workers and for use as a wireless intercom in government offices and courthouses. Information on a full line of audio accessories is available at info4u.us/ST-Audio-Accys.pdf. Call for more information or a demonstration!



Call anytime – 205.854.2611 or Email ServingU@The-Communicators.net

BD302 SPECIFICATIONS

General	
Frequency Range	UHF:400-470MHz
Channel Capacity	48
Zone Capacity	3
Channel Spacing	25/12.5KHz
Operating Voltage	3.8V
Battery	2200mAh (Li-Ion)
Battery Life (5/5/90)	Analog/Digital: 12/16 hours (2200mAh) 16/22 hours (2000mAh)
Weight	5 oz. (with AN0435H19 and BL2202)
Dimensions	101x49x25.8 mm
Frequency Stability	±0.5ppm
Antenna Impedance	50 Ω
Receiver	
Sensitivity (Digital)	0.22 μV / BER 5%
Sensitivity (Analog)	0.22 μV (Typical) (12dB SIN AD) 0.4 μV (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	<5%
Audio Response	+1 ~ -3dB
Conducted Spurious Emission	<-57dBm

Transmitter	
RF Power Output	High power: 2W 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	<5%
Digital Vocoder Type	AMBE++
Digital Protocol	ETSI-TS102 361-1,-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-883C/D/E/F/G Standard
Shock & Vibration	Per MIL-STD-883C/D/E/F/G Standard

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

CLOSING COMMENTS

A more powerful version of the BD302 is optionally available. Similar in appearance and only slightly larger, the BD502 has a top mount channel selector versus the up/down buttons on the front of the BD302, a handy feature for those who frequency change channels. The BD502 has twice the transmit power (4 watts versus 2 watts for the BD302) and a rapid rate desk charger versus a micro USB cable for the BD302, and a more rugged 2-pin accessory connector versus a single pin for the BD302. Additional information on the BD502 is available at info4u.us/BD502.pdf.



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