

PRODUCT LITERATURE
Baofeng™ DM1701
TWO-WAY RADIOS

BAOFENG™ DM 1701 TWO-WAY RADIO

YOU'RE SIMPLY MORE EFFICIENT



BAOFENG DM-1701 is a modern and reliable digital + analog walkie-talkie, designed for professional and semi-professional communication needs. This model is well known for providing secure, clear, and stable communication in various working environments.

Uses

The BAOFENG DM-1701 is widely used in security services, event management, hotels and hospitality, construction sites, factories, shopping malls, school and college campuses, and rescue operations. Thanks to its digital mode, it delivers clear audio even in noisy surroundings.

Connectivity

This walkie-talkie supports both DMR digital mode and analog mode, allowing seamless communication with traditional analog radios. It offers one-to-one calling, group calling, and all-call functions, making team coordination efficient and smooth.

Specifications

The BAOFENG DM-1701 features dual-band support, a high-capacity battery, LCD display, digital encryption, SMS messaging, and programmable channels. Its strong and durable body design makes it suitable for long-term and continuous use.

Transmission & Reception

The device delivers strong transmission power, enabling clear communication over long distances. Its advanced reception capability ensures stable signal performance and clear audio output, even in low-signal or challenging environments.

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FEATURES

[PTT] Transmit button	Switch between transmission and reception; when transmitting, press this button and speak to the microphone; release the button to receive.
Side button 1 * Defaults to Up and down screen switch	Short press this button to quickly switch the upper and lower screen. Press and hold it to enter the alarm mode, press and hold it again or press briefly to exit the alarm mode. If the current channel is digital and no alarm system is configured, the alarm function can't be started.
Side button 2 * The default is to select the channel up	Short press shortcut select channel up. Press and hold it to turn on the monitor function (only support analog channels).
Side button 3 * The default is to select the channel down	Short press shortcut select channel down. Long press for the power switch, select the high and low power.
0-9 number buttons	Default: 0~9 [0~9] code words in DTMF function Select punctuation marks or letters in Pinyin input method. If numeric shortcut function is set, you can press and hold this button to jump to the corresponding contact.
[MENU] button	Press it to activate the menu mode, enter the menu and press this button to select menu items. Press and hold it to enter the radio settings.
↑]button	Move up; change the scanning direction in scanning state. Move left in SMS editing interface.
↓]button	Move down; change the scanning direction in scanning state. Move right in SMS editing interface.
[Exit]/[Clear] button	Clear the entered information in input state. Press and hold this button to switch channel mode or frequency mode.

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[*]button [#]button	Press and hold this button to lock on / off keyboard Code word * in DTMF function
	Switch the input method in input method interface. Code word # in DTMF function

Main technological specification

Frequency range	VHF:136-174MHz/ UHF:400-480MHz(Dual band)
Memory Channel	Up to 3000
Frequency Stability	±1.0ppm
Operating Temperature	-30°C~+60°C
Operating Voltage	DC 7.4V
Demission	133*62*36mm (no including the antenna)
Weight	

Transmission

Output power	High:5W Low:1W
Output Consumption	Analog≤1.6A Digital≤0.9A
Consumption	≤0.18A
FM modulation	16KcF3E@25KHz 141KcF3E@20KHz 11KcF3E@12.5KHz
4FSK digital modulation	12.5KHz for data:7K60FXD 12.5KHz for data and voice :7K60FXE
Modulation Distortion	≤5%
Signal-to-noise(wide/narrow)	≥45dB@25KHz ≥40dB@12.5KHz
Adjacent Channel power	≤-65dB ≤-60dB
Audio Response	+1~3dB
Antenna Port Spurious	9KHz-1GHz: ≤-36dBm 1GHz-12.75GHz: ≤-30dBm
Digital Protocol	ETSI-TS102 361-1,-2,-3
Vocoder type	AMBE+2 TM

Reception

Analog receive sensitivity	-122dBm (12dB SINAD)
Digital receive sensitivity	-120dBm (BER≤5%)
Audio power	1W
Audio distortion	<10%
Audio response	+1~-3dB
Signal imitation	≥70dB
Intermediation (Wide/ narrow)	≥62dB/≥58dB
Adjacent channel selectivity	≥65dB/≥60dB
Receive Current	≤380mA
PM noise	≥45dB@25KHz /≥40dB @12.5KHz

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Disclaimer

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