

BFDX professional FM two way radio BF-530

BF-530 is professional FM two way radio Featured with beat frequency, BCL, CTCSS and CDCSS. As with high-level PC material, professional design, Ultra Guard, alternative channels, usable high power, low power functions it is perfect for outdoor working.

Squelch level

It can make the loudspeaker squelch when you don't receive signals.

VOX(this function can be active only when you plug in a headset)

When you set VOX, you can active the transmitting function through your voice and don't need to press the PTT button.

Voice prompt

It can hint you your current channels when you rotate the channel selector.

Scan

You can detect the signal from the channel you added to scanning

high power or low power(Alternative)

High power: 5W Low power: 1W

High power or low power depend your need or your condition.

Set bandwidth

You can set your bandwidth be in narrow bandwidth(12.5kHz)or wide bandwidth(25kHz)through program software BFP-AH530

beat frequency offset

Set the system clock frequency depend on offset of every channel to prevent interfere receiving signals

BCL

By preventing receive signal from busy channel or unauthorized channel it keep the channel free from interference.

CTCSS, CDCSS

This function can shield the unnecessary call. By CTCSS/CDCSS function you can feel that As if you have your dedicated channel. Others can receive your call when their code are the same with you

CTCSS /CDCSS Decode

Open the BFP-AH530 software program, enter your transmitting frequency and receiving frequency(the click will be not effect if you don't enter the frequency), choose the standard frequency and code which are needed when decode CTCSS/CDCSS, or enter the nonstandard CTCSS within the scope of (CTCSS) 60~260Hz,(CDCSS)D000N/I~D777N/I) then write it through the software program. When the encoding and decoding of the transmitting two way radio are same, the two way radio can receive the call)

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General	
Frequency range	VHF:136-174MHz UHF:400-470 MHz
Total number of channels	16
Channel spacing	25KHz /12.5KHz
Working temperature	-20℃~~+60℃
Antenna impedance	50Ω
Operating voltage	DC 7.4V(±20%)

Battery capacity	2600mAh
Frequency stability	$\leq \pm 2.5\text{ppm}$
Dimension	60(L)*36(W)*109(H) mm
Weight	253g (including battery pack)
Transmitter	
Output power	High:5W Low:1W
modulation	16KΦF3E(wide)/8KΦF3E(narrow)
Noise and harmonic	$\leq -36\text{dBm}$
FM noise	$\leq -40\text{Db}$
Rated audio distortion	5%
Adjacent power	$\geq 65\text{Db(wide)}/60\text{Db(narrow)}$
Modulation limitation	$\leq 5\text{KHz(wide)}/2.5\text{KHz(narrow)}$
Receiver	
Sensitivity	$\leq 0.2\mu\text{v(wide)}/0.25\mu\text{v(narrow)}$
Adjacent selectivity	$\geq 60\text{Db(wide)}/55\text{Db(narrow)}$
Intermodulation	$\geq 60\text{Db(wide)}/55\text{Db(narrow)}$
Spurious suppression	$\geq 60\text{Db(wide)}/55\text{Db(narrow)}$
SNR	$\geq 45\text{Db(wide)}/40\text{Db(narrow)}$
Rated audio output power	0.5W
Rated audio distortion	5%

Tracy

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