

# BAOFENG 101

Getting to Know your Radio

# First the Buttons:

## Where are they located & what are they?



1. antenna
2. LED flashlight
3. ON/OFF/VOLUME knob
4. LCD
5. side key 1 / CALL (radio/alarm)
6. side key 2 / MONI (flashlight/monitor)
7. **PTT** key (push-to-talk)
8. **VFO/MR** (frequency mode/channel mode)
9. LED (transmit/receive indicator)
10. microphone
11. keypad
12. **A/B** Key (frequency display switch)
13. **Band** Key (switches band)  
This key was eliminated on some newer versions.

# Next: What do the Buttons do?



# Side Button Functions



## **CALL** Side Key 1

Press **CALL** button to activate the FM radio; press again to deactivate.  
Press the **\*SCAN** button to scan the FM channels.  
Press and Hold **CALL** button to activate the alarm function;  
Press **CALL** or **PTT** to deactivate.

**PTT** Press and hold to transmit; release to receive.

## **MONI** Side Key 2

Press the **MONI** button to turn flashlight ON/OFF or  
ON/FLASH/OFF depending on model.  
Press and Hold the **MONI** button to monitor a signal/open squelch.

# The Key Pad Quick Functions



## \*SCAN Key

Press \*SCAN key for 2 seconds to start scanning (freq/channel).  
While FM radio is activated, press \*SCAN to search FM radio stations.

## # 🔒 Key

Under channel mode, press the # 🔒 key to switch high/low power.  
Press the # 🔒 key for 2 seconds to lock/unlock the keypad.

## 000 > 127 (Channel mode)

- Skips directly to the desired channel

# The Menu: What do they Mean to me?

## Settings for Simplex

SIMPLEX	SETTING	DESCRIPTION	
0	SQL	1	SETS SQUELCH
1	STEP	5	CHANGES FREQUENCY STEP IN VFO if to 4th pl then 2.5 or 12.5
2	TXP	high	SETS TRANSMIT POWER
3	SAVE	off	0=off
4	VOX	off	VOICE OPERATED KEYING/TRANSMIT
5	WN	Wide	WIDE OR NARROW BANDWIDTH
6	ABR	CHOOSE	BACKLIGHT TIMER
7	TDR	ON OR OFF	MONITORS 2 FREQUENCIES AT SAME TIME OR JUST 1
8	BEEP	CHOOSE	KEY SOUND
9	TOT	120	TRNS T/O TIMER/ FOR ACCIDENTAL LONG KEY OF PTT/ SET TO LESS THAN 15 WHL PRGMG W/ CABLE
10	R-DCS	OFF/PRIVACY	SIMPLEX RECEIVE SECURITY CODE
11	R-CTCS	OFF	REPEATER RECEIVE CODE
12	T-DCS	OFF/PRIVACY	SIMPLEX TRANSMIT SECURITY CODE
13	T-CTCS	OFF	REPEATER TRANSMIT CODE
14	VOICE	ENG	CHOOSES LANGUAGE
15	ANI-ID		DISABLE FUNCTION CAN NOT CHANGE (CHIRP ONLY)
16	DTMFST		DISABLE FUNCTION CAN NOT CHANGE (CHIRP ONLY)
17	S-CODE	1	OFF
18	SC-REV	TO	SAVE CHANNEL REVERSE
19	PTT-ID	OFF	
20	PTT-LT	OFF	

Hit Menu button



Move arrow up/down to get to menu item you want to check



Hit Menu again if you need to make change



Move arrow up/down to get selection you want



Hit Exit button to save



Repeat!

# The Menu: What do they Mean to me?

## Settings for Simplex (cont).

SIMPLEX	SETTING	DESCRIPTION
21	MDF-A	CHOOSE DISPLAY NAME, FREQ OR CHANNEL. NAME ADDED WITH CHIRP
22	MDF-B	CHOOSE DISPLAY NAME, FREQ OR CHANNEL. NAME ADDED WITH CHIRP
23	BCL	OFF BUSY CHANNEL LOCK OUT ..SKIPS BUSY CHANNELS WHEN SCANNING
24	AUTOLK	OFF PRESS AND HOLD # TO LOCK / UNLOCK KEYS
25	SFT-D	OFF SET FREQ TRANSMIT + OR -
26	OFFSET	OFF SETS FREQUENCY OFFSET FOR REPEATERS
27	MEM-CH	CHOOSE MEM CHANNEL (MUST BE DELETED 1ST) Hit menu 3x to save
28	DEL-CH	DELETES MEMORY CHANNEL
29	WT-LED	CHOOSE WAIT LED COLOR
30	RX-LED	CHOOSE RECEIVE REC.LED COLOR
31	TX-LED	CHOOSE TRNSMIT LED COLOR
32	AL-MOD	TONE HOLD CALL BUTTON TO ALARM AND TRANSMIT FOR EMERGENCY
33	BAND	AUTO SELECTS SELECTS BAND
34	TDR-AB	A PRIORITY CHANNEL ?
35	STE	OFF SQUELCH TALK ELIMINATOR... ONLY FOR SETTING UP DUPLEX BETWEEN RADIOS
36	RP-STE	OFF SQUELCH TALK ELIMINATOR... ONLY FOR SETTING UP DUPLEX BETWEEN RADIOS
37	RPD-RL	OFF SQUELCH TALK ELIMINATOR... ONLY FOR SETTING UP DUPLEX BETWEEN RADIOS
	PONMS	
38	G	FULL OR MSG POWER ON MESSAGE
39	ROGER	CHOOSE TONE SENT AFTER KEYING
40	RESET	RESETS TO FACTORY SETTINGS

Hit Menu button

Move arrow up/down to get to menu item you want to check

Hit Menu again if you need to make change

Move arrow up/down to get selection you want

Hit Exit button to save

Repeat!

# The Menus: What do they Mean to me?

## Settings for Duplex- Repeaters

DUPLEX	SETTING	DESCRIPTION	
0	SQL	1	SETS SQUELCH
1	STEP	5	CHANGES FREQUENCY STEP IN VFO if to 4th pl then 2.5 or 12.5
2	TXP	high	SETS TRANSMIT POWER
3	SAVE	off	0=off
4	VOX	off	VOICE OPERATED KEYING/TRANSMIT
5	WN	Wide	WIDE OR NARROW BANDWIDTH
6	ABR	CHOOSE	BACKLIGHT TIMER
7	TDR	ON OR OFF	MONITORS 2 FREQUENCIES AT SAME TIME OR JUST 1
8	BEEP	CHOOSE	KEY SOUND
9	TOT	120	TRNS T/O TIMER/ FOR ACCIDENTAL LONG KEY OF PTT/ SET TO LESS THAN 15 WHL PRGMG W/ CABLE
10	R-DCS	OFF/PRIVACY	SIMPLEX RECEIVE SECURITY CODE
11	R-CTCS	OFF	REPEATER RECEIVE CODE
12	T-DCS	OFF/PRIVACY	SIMPLEX TRANSMIT SECURITY CODE
<b>13</b>	<b>T-CTCS</b>	<b>ENTER PI FREQ</b>	<b>REPEATER TRANSMIT CODE</b>
14	VOICE	ENG	CHOOSES LANGUAGE
15	ANI-ID		DISABLE FUNCTION CAN NOT CHANGE (CHIRP ONLY)
16	DTMFST		DISABLE FUNCTION CAN NOT CHANGE (CHIRP ONLY)
17	S-CODE	1	OFF
18	SC-REV	TO	SAVE CHANNEL REVERSE
19	PTT-ID	OFF	
20	PTT-LT	OFF	

Hit Menu button

Move arrow up/down to get to menu item you want to check

Hit Menu again if you need to make change

Move arrow up/down to get selection you want

Hit Exit button to save

Repeat!



# The Menu: What do they Mean to me?

## Settings for Duplex (cont).

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21	MDF-A	CHOOSE DISPLAY NAME, FREQ OR CHANNEL. NAME ADDED WITH CHIRP
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23	BCL	OFF BUSY CHANNEL LOCK OUT ..SKIPS BUSY CHANNELS WHEN SCANNING
24	AUTOLK	OFF PRESS AND HOLD # TO LOCK / UNLOCK KEYS
25	<b>SFT-D</b>	<b>CHOOSE +/-</b> <b>SET FREQ TRANSMIT + OR -</b>
26	<b>OFFSET</b>	<b>CHOOSE</b> <b>SETS FREQUENCY OFFSET FOR REPEATERS .600mHz FOR 2M / 5.0Hz FOR 70CM</b>
27	MEM-CH	CHOOSE MEM CHANNEL (MUST BE DELETED 1ST) Hit menu 3x to save
28	DEL-CH	DELETES MEMORY CHANNEL
29	WT-LED	CHOOSE WAIT LED COLOR
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38	PONMSG	FULL OR MSG POWER ON MESSAGE
39	ROGER	CHOOSE TONE SENT AFTER KEYING
40	RESET	RESETS TO FACTORY SETTINGS

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Repeat!

# Accessories: What you may want to consider

