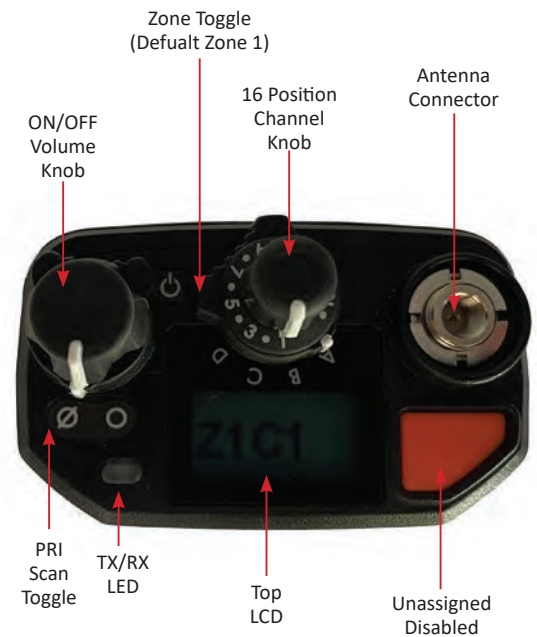


BKR 5000 PORTABLE RADIO BASIC OPERATIONS & CONTROLS

1. Turn the power **ON** by turning the “**VOL**” Knob clockwise.
The LCD will indicate the current Zone and Channel label after the main boot up process.
2. Select a zone number by pressing the “**ZONE**” softkey. Enter the zone number via the key pad and press the “**ENT**” softkey.
OR
Press the “**ZONE**” softkey. Press the “**PREV**”/“**NEXT**” soft keys to highlight desired zone and press the “**ENT**” softkey.
3. Select a channel by turning the Channel Select Knob to one of the **16 available positions**.
4. Adjust the volume by pressing and holding the “**Monitor Toggle/Squelch**” button to open the squelch and set the volume to desired level.
Press the “**Monitor Toggle/Squelch**” button once more to close Squelch and return to normal operation.

The radio is now ready to operate on the current group and channel.

6. To transmit, press and hold the Push-To-Talk (PTT) button on the side of the radio.
*Note: The Transmit Indicator Light should glow red while transmitting.
If not, the battery may be low, the channel is RX only or busy.*
7. Pause 1 second and talk in a normal voice into the microphone.
Note: Try to shield the microphone from wind and other loud background noises.
8. Release the **PTT** to stop transmitting and receive incoming transmission



BKR 5000 PORTABLE RADIO SETTINGS & OPTIONS

CHANGING ZONES:

To change groups, press the “ZONE” softkey. Enter the zone number via the key pad and press the “ENT” softkey. (See Figure 1 & 2)

OR

Press the “ZONE” softkey. Press the PREV/NEXT softkeys to the desired zone and press the “ENT” softkey. (See Figure 1 & 2)

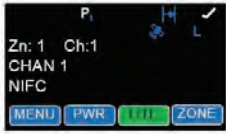


Figure 1

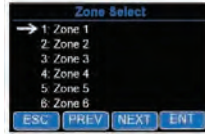


Figure 2

ENABLING/DISABLING SCAN:

To Enable Scan - Press the “Scan ON/OFF Toggle” button on the side of the radio.

- The display will indicate the radio is in Scan Mode by displaying a flashing “” icon on the LCD. (See Figure 3)

To Disable Scan - Press the “Scan ON/OFF Toggle” button on the side of the radio.

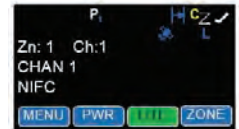



Figure 3

ENABLING/DISABLING PRIORITY SCAN:

To Enable Priority Scan - Toggle the “PRI SCAN Toggle” switch to the “” on the top of the radio.

- The display will indicate the radio is in Priority Scan Mode by displaying a flashing “P1” icon on the LCD.

To Disable Priority Scan - Toggle the “PRI SCAN Toggle” switch to the “” on the top of the radio.

Note: A priority channel must be set up first before Pri Scan is Enabled. (See Figure 3)

ADD/REMOVE CHANNEL FROM SCAN LIST:

To Add a Channel - Press the “MENU” softkey, scroll down to “Chan Scan List” using the PREV/NEXT softkeys and press the “ENT” softkey. (See Figure 4)

Select the channel to scan using the PREV/NEXT softkeys, then press the “+/-” softkey to add or delete the channel from the scan list.

Note: An “✓” next to the select channel indicates the Channel is in the Scan List. (See Figure 5)

Note: An “✓” in the upper LCD on that selected channel indicates the Channel is in the Scan List. (See Figure 6)

Press the “ESC” softkey twice to return to normal operation.

To Remove a Channel - Repeat the process and remove the “✓” from the selected channel.

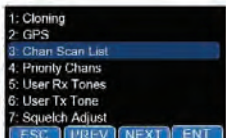


Figure 4

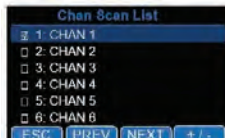


Figure 5



Figure 6

TX POWER SELECTION:

Power Selection - Press the “PWR” toggle softkey to enable between low and high power setting.

- LCD will indicate Low Power with a “L” and High Power with a “H” on the LCD. (See Figure 7 and 8)

Note: LCD will momentarily display “Tx Power Low” and “Tx Power High” when toggling between low and high power.

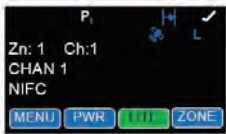


Figure 7

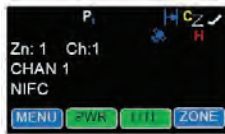


Figure 8

KEYPAD LOCKING:

Open the Control Lock Menu by pressing the number 2 side programmable button.

Select either “Unlocked”, “Lock Keypad Only” or “Lock All Controls”. (See Figure 9)

Unlocked: Unlocks the keypad, buttons and switches.

Lock Keypad Only: Locks only front panel keypad operations.

Lock All Controls: Locks all buttons and switches as determined by radio programming.

Note: NIRSC does not lock all buttons and switches with “Lock All Controls”, it will only lock keypad and top collar switch.



Figure 9

BKR 5000 PORTABLE RADIO ANALOG PROGRAMMING GUIDE

1. Turn on the radio.

2. Access the Program Mode (See Figures 1, 2 and 3)

- Press the “Menu” softkey.
- Scroll down using the “PREV/NEXT” softkeys to highlight “Keypad Prog” and press the “ENT” softkey.
- Enter the 6-digit NIICD password and press the “ENT” softkey. *NIICD default password is set to “000000”*
- Scroll down using the “PREV/NEXT” softkeys to highlight “Keypad” and press the “ENT” softkey.
- Scroll down using the “PREV/NEXT” softkeys to highlight “Channel” and press the “ENT” softkey.
- Scroll down using the “PREV/NEXT” softkeys to highlight “Edit Channel” and press the “ENT” softkey.

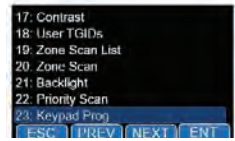


Figure 1

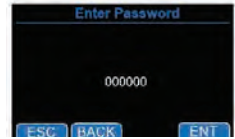


Figure 2

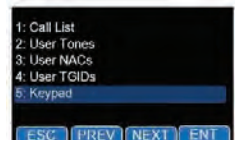


Figure 3

3. Once in Program Mode, using the “PREV/NEXT” softkeys highlight the desired **Zone** to program and press “ENT”.

4. Using the “PREV/NEXT” softkeys highlight the desired **Channel** to program and the press the “ENT” softkey.

5. Scroll to the desired **Channel** using the “PREV/NEXT” softkeys and press “ENT”.

Individual Channel Settings:

- 1: Channel Label** - Allows user to change the Alphanumeric label of currently selected channel.
- 2: Rx Frequency** - Allows user to change the Receive Frequency of currently selected channel.
- 3: Rx Mode** - Allows user to change the Receive Mode of currently selected channel.
- 4: Rx Guard** - Allows user to change the Receive Tone or NAC of currently selected channel.
- 5: Bandwidth** - Allows user to change the Bandwidth of the currently selected channel.
- 6: Tx Power** - Allows the user to change the Transmit Power settings of currently selected channel.
- 7: Tx Frequency** - Allows the user to change the Transmit Frequency of currently selected channel.
- 8: Tx Mode** - Allows the user to change the Transmit Mode of the currently selected channel.
- 9: Tx Guard** - Allows the user to change the Transmit Tone or NAC of currently selected channel.
- 10: DTMF Live Dial** - Allows the user to use Dual Tone Multi Frequency signaling via the radio keypad.

6. Highlight “RX Frequency” and press “ENT”, press “EDIT” or “CLR” and enter a **valid RX Frequency** and press “ENT” to save new frequency.
Note: Receive Frequencies must be divisible by 1.25kHz.

7. Highlight “Rx Mode” and press “ENT”, highlight “Analog” and press “ENT”.
Note: “Digital” and “Mixed” are Digital functions and are not used while programming an Analog Channel.

8. Highlight “Rx Guard” and press “ENT”, highlight “OFF” or “Tone” and press “ENT”.
• For Analog CTCSS Tones select “Tone” and press “ENT”, then press “EDIT” or “CLR” and enter a **valid RX Tone** and press “ENT” to save new RX tone.
Note: “Digital” and “Select” are Digital functions and are not used while programming an Analog Channel.

9. Highlight “Bandwidth” and press “ENT”, highlight “Narrowband” and press the “ENT” softkey.
Note: Narrowband is 12.5kHz spacing when operating in analog.

10. Highlight “Tx Power” and press “ENT”, highlight “Selectable Low” and press “ENT”.
Note: “Selectable” Allows high/low transmit power selection from assigned button, switch or menu item.
Low Power is set to 2 Watts
High Power is set to 4 Watts

11. Highlight “TX Frequency” and press “ENT”, press “EDIT” or “CLR” and enter a **valid TX Frequency** and press “ENT” to save new frequency.
Note: Transmit Frequencies must be divisible by 1.25kHz.

12. Highlight “Tx Mode” and press “ENT” highlight “Analog” and press “ENT”.
Note: “Digital” and “Selectable” are Digital functions and are not used while programming an Analog Channel.

13. Highlight “TX Guard” and press “ENT”, highlight “OFF”, “Tone”, “Digital” or “Select” and press “ENT”.
• For Analog CTCSS Tones select “Tone” and press “ENT”, then press “EDIT” or “CLR” and enter a **valid TX Tone** and press “ENT” to save new TX tone.
Note: “Digital” and “Select” are Digital functions and are not used while programming an Analog Channel.

14. Highlight “DTMF Live Dial” and press “ENT”, highlight “On” and press “ENT”.
Note: Selecting “ON” will enable keypad keys to send out DTMF while pressed during transmit.

15. Press “ESC” once and select another channel to program and repeat steps 5 through 14, or press “ESC” several times to exit the programming mode and return to the main operating screen.

BKR 5000 PORTABLE RADIO CLONING GUIDE

1. Assure that both radios are off and attach the cloning cable to both the **Master** and **Target** radios. (See Figure 1)
2. Turn both radios on.
Note: Determine which group needs to be cloned from the Source radio, and to which group on the target radio will be cloned. Set each radio to determined group.
3. Place the **Master** radio in Cloning Mode by pressing the “Menu” softkey, highlight “Cloning” and press “ENT”.
(See Figure 2)
Cloning Options:
 - **Clone Active Zone**- Master radio clones over the selected group information.
 - **Clone Picklists** - Master radio clones over the selected Tone Pick List.
 - **Enter Dest Clone** - Reserved for Target Radio operation.
4. Place the **Target** radio in Cloning Mode by pressing the “Menu” softkey, highlight “Cloning” and press “ENT”.
(See Figure 4)
Note: Radios programmed with blocked zones will not receive cloning information. The Target radio will assume the Master radio channel structure when cloned.
5. On the Target Radio Highlight “Enter Dest Clone” and press the “ENT” softkey. (See Figure 3)
 - LCD will display “Destination Clone Mode Waiting” on the Target radio. (See Figure 5)
6. On the Master Radio Highlight “Clone Active Zone” and the press the “ENT” softkey. (See Figure 3)
 - LCD will display “Cloning in Progress” on the Master radio. (See Figure 6)
 - LCD will change to “Destination Clone Start” on the Target radio. (See Figure 7)
7. Once the cloning is successfully complete, the **master** radio will momentarily display “Source Clone Complete” and return to the main cloning display. (See Figure 8 and Figure 3)
Once the cloning is successfully complete the **target** radio will restart and boot up on the selected zone and channel.
Note: If cloned failed, the Master Radio will momentarily “Source Clone Error” or “Destination Clone Locked” its possible that the Target zone is blocked from accepting any incoming clone. (See Figure 9)
Possible cloning fail causes are, Zone Programmed to block clone, Target radio not on, Cloning Cable unplugged or not connected correctly or Incompatible Radio.
8. After the clone is complete, disconnect the cloning cable from the target radio and connect a new target radio to clone. Repeat the steps to clone to another target radio.
9. After all clones are complete, remove the cloning cable on both radios press the “ESC” key twice on the **Master** radio to exit out of the programming menu and return to normal operation. (See Figure 10)



Figure 1: BKR 5000 Cloning Connections

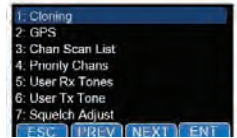


Figure 2

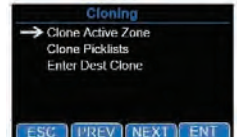


Figure 3

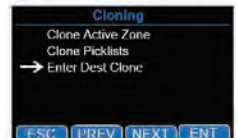


Figure 4

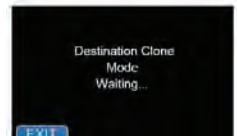


Figure 5

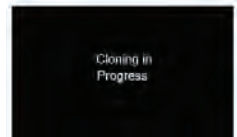


Figure 6



Figure 7



Figure 8



Figure 9

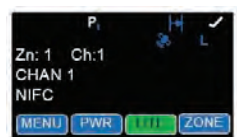


Figure 10