BK ®
TECHNOLOGIES

BKR0700 Cloning Cable
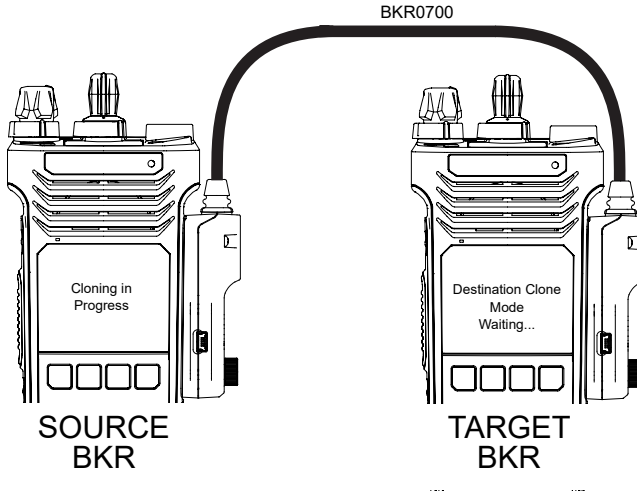*User Instructions*

Contents

Operation

The BKR0700 Cloning Cable offers radio users the ability to share programmed information between BKR portable radios.

For BKR portable radio cloning, one BKR0700 Cloning Cable is to be connected to to a Source BKR portable radio and a Target BKR portable radio as shown below:

BKR0700

Cloning in
Progress

Destination Clone
Mode
Waiting...

SOURCE
BKR

TARGET
BKR

The Source radio is a radio programmed with the desired radio frequencies and settings you wish to transfer to another radio of the same frequency range.

The Target radio is the radio receiving the frequencies and settings.

Target radios can be programmed to block incoming cloning information on a zone by zone basis.

In order to clone radio information, the Source radio and Target radio must have a menu item programmed, via Radio Editor Software (RES), to allow cloning. (Refer to the "Menus/Controls" section of the radio editor.)
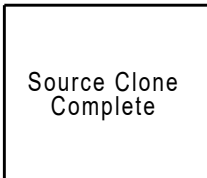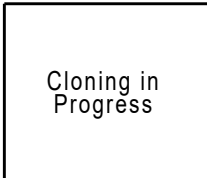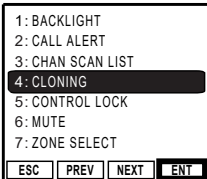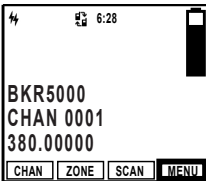
Source Radio

On the Source radio, select the zone with the information to be cloned by pressing the Zone button, or selecting "Zone Select" from the menu, then entering the number of the desired zone.

On the Target radio select the Zone or Group to which the information is to be sent.

Some zones may be blocked by RES to prevent them from being overwritten. Only unlocked groups will accept incoming clones.
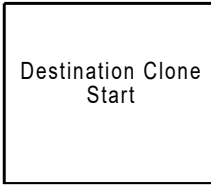
Sending Information

```
 ⚡        📶 6:28        ▯

BKR5000
CHAN 0001
380.00000
 CHAN   ZONE   SCAN   MENU
```

On the Source radio:

1. Press the Menu button.

```
1 : BACKLIGHT
2 : CALL ALERT
3 : CHAN SCAN LIST
4 : CLONING
5 : CONTROL LOCK
6 : MUTE
7 : ZONE SELECT
 ESC   PREV   NEXT   ENT
```

2. Use the [PREV]/[NEXT] buttons to select "Cloning".

3. Press the [ENT] button to send the cloning information.

```
Cloning in
Progress
```

While sending information "Cloning in Progress" will be shown on the Source radio display.

```
Source Clone
Complete
```

After successful radio data transfer, "Source Clone Complete" is briefly displayed on the Source radio.

Receiving Information

```
┌─────────────────────┐
│                     │
│  Destination Clone  │
│        Start        │
│                     │
│                     │
└─────────────────────┘
```
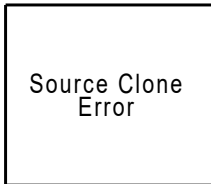
Target radios display a message to indicate receiving incoming information.

Target radios display "Destination Clone Start" during the cloning process.
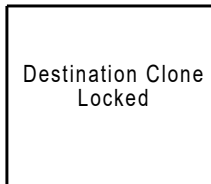
When the cloning process is successfully completed, the Target radio will automatically shut down and reset.

NOTE: Upon reset the Target radio reverts to Zone 1.

Error Notifications

```
┌─────────────────────┐
│                     │
│   Source Clone      │
│      Error          │
│                     │
│                     │
└─────────────────────┘
```
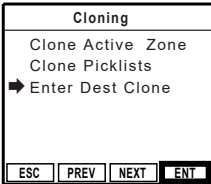
If the targeted zone is blocked from cloning, or the clone is not successful any other reason, the Source radio will display "Source Clone Error" and require radio power to be cycled.

```
┌─────────────────────┐
│                     │
│  Destination Clone  │
│       Locked        │
│                     │
│                     │
└─────────────────────┘
```

If a targeted zone is blocked from cloning the Target radio will display the "Destination Clone Locked" message and requires radio power to be cycled.
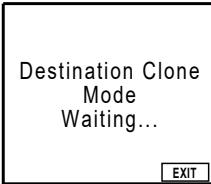
Target Radio

The Target radio must be put in "Destination Clone Mode." The BKR portable radio can only receive "Active Zone" or "Picklist" clone information.

```
         Cloning
   Clone Active  Zone
   Clone Picklists
 ➡ Enter Dest Clone


  ESC   PREV   NEXT   ENT
```
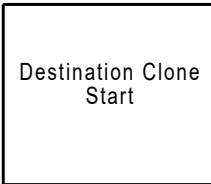
On the Target radio:

1. Select the Menu button.

2. Use the up/down buttons to select "Cloning".

3. Press the [ENT] button.

4. Select "Enter Dest Clone".

```
  Destination Clone
        Mode
      Waiting...

                EXIT
```

When the Target radio is in "Destination Clone Mode", the Source radio can initiate the cloning of the "Active Zone" or "Picklist".

```
  Destination Clone
        Start
```

When cloning has started, the Target radio will display "Destination Clone Start"

```
   Powering Off
```

After a successful information transfer, "Power off" is displayed and the radio will restart.

Cloneable Information

Channel Capacity Considerations

When a Source radio's zone is programmed with less channels than a Target radio, channels about the highest programmed Source channel will be set to inactive.

A Target radio's zone will assume the channel structure of the Source radio. Example: Cloning from a Source radio with a five channel zone will enable only five channels in the Target radio.

BKR portable radios do not allow a receive frequency of 0. When a Source radio channel has no programmed receive frequency, the Target radio will substitute 136MHz.

Picklist Capable Target Radio Considerations

If picklist selections are assigned in the Source radio, the associated picklist reference will be cloned to the Target radio. For example, if a channel has a picklist selection of Tone 3, then a picklist reference of 3 will be sent to the Target radio and the Target radio will use the value stored in the 3 position of the radio's picklist. The Target radio's picklists will not be affected.

Cloned Picklist Values

Tone selected	Default values and Picklist references
No tone selected	Default values

If the cloning process fails or the Target radio's zone is blocked from accepting an incoming clone, a fail message will appear on the Source radio.

Failure of downloading can be due to:

- Zone programmed to block clone
- Failure to turn on the Target radio
- Cable unplugged
- Improper connection
- Incompatible Target radio

BK®
TECHNOLOGIES

BK Technologies
7100 Technology Drive
West Melbourne, FL 32904
1-800-648-0947
©2021 BK Technologies