

**maxon*****SP-7000 Series Cloning Instructions*****Purpose:**

Cloning refers to taking the programming information from one radio and copying it to another radio without the aid of a computer. There are two ways to clone the SP-7000 series and they are listed below.

**Equipment Needed:**

A PC-742 cloning cable is used for direct radio-to-radio cloning.  
No cable is needed when cloning over-the-air.

**Over-The-Air Procedure:**

Before you begin, make sure both radios are of the same model and the batteries are fully charged. "Master" refers to the programmed radio that will be sending the data. "Slave" refers to the radio/radios receiving the new program.

1. Turn on the power to the Master while holding the P3 and Monitor buttons. The screen shows "1-M" -> "1-S" -> "B-M" -> "B-S" each repeatedly.



1-M: Master to send (one radio to one radio)

1-S: Slave to receive (one radio to one radio)

B-M: Master to send (one radio to many radios)

B-S: Slave to receive (one radio to many radios)

\* B means "broadcasting"

2. Set the Master and Slave radio to the appropriate setting as shown above by releasing the two buttons during the desired designation.
3. Next press the PTT button on the Slave(s) and the display will read "READY".
4. Now press PTT on the Master and the display will indicate "WRITE". Note: When Write is initiated the Slave(s) will automatically display "READ". This let you know the program is currently being sent to the Slave(s).
5. The process may take several minutes to complete. When completed, the Slave(s) will reset back to its normal operation. The Master will stay in the Master mode. This allows it to be available if other units need to be cloned. To reset the Master turn it off and back on again.
6. If errors are encountered it will be displayed on the Slave(s). Repeat the procedure if this occurs.

**Direct Method Procedure:**

1. Turn on the power to the Master while holding the Monitor button. The display will show "CLONE" and "RESET" repeatedly. Release the monitor button during "CLONE".
2. Turn on the power to the Slave in the normal manner without any button presses.
3. Connect the two radios together using the PC-742. Next press the PTT button of the Master to begin the cloning process. Note the display on the Slave radio will display "SLAVE".
4. The process is completed when the Slave radio resets to normal status.
5. If errors occur, repeat the procedure.