

Keypad accessory for Lowe Receiver

Instructions

Software version 1.0

OVERVIEW

Thank you for purchasing the accessory keypad designed to work with the Lowe HF-150 or Lowe HF-225 Communications Receiver. This device consists of a 12-button keypad housed in a self-contained enclosure. It is designed for simplicity in operation.

There are two modes of operation. The normal, or default mode is identical to the original Lowe keypad. This is the mode it starts up in. The second is the “one-touch” mode, allowing rapid selection of the first ten memory positions. (This mode only works with the HF-150)

INSTALLATION

The keypad accessory simply plugs into the “KEYPAD” jack on the rear of the receiver. It derives power from this connection, and requires no internal batteries. No initialization or settings on the receiver itself needs to be made.

OPERATION

DEFAULT MODE

The keypad has 12 keys – the digits [0] to [9], the [#] key (enter), and the [*] key (cancel). As keys are pressed the digits are shown on the receiver’s frequency display.

Frequencies are entered in kilohertz. The receiver will only tune to the entered frequency when it is complete – either when sufficient digits have been keyed in or when the enter key [#] is pressed. Frequencies above 3000

kHz will enter automatically as soon as the last digit is keyed. Those below 3000 kHz should be followed by the enter key [#].

For example [1] [2] [0] [9] [5] tunes to 12.095 mHz
[1] [9] [8] [#] tunes to 198 kHz

Because frequencies entered by the keypad are to the nearest kilohertz, it may be necessary to retune the receiver slightly to correctly resolve single sideband signals or when using the receiver in AMS mode.

If you press an incorrect key on the keypad, the current digits can be cleared by pressing the cancel key [*], after which the frequency should be reentered. Please note that once the frequency entry is started the other controls on the receiver will be inoperative until entry is completed or cancelled.

There is a quick access to frequencies stored in the receiver's memories. If a number between 1 and 60 is keyed in, followed by the enter key [#] then the corresponding memory is recalled and the receiver's mode and frequency is set.

For example [2] [#] recalls and tunes memory 2
[4] [5] [#] recalls and tunes memory 45

ONE-TOUCH MODE

This mode is not available in the original Lowe keypad, and only works with the HF-150. This provides a convenient way to recall the first ten memories by depressing only one key.

To enter this mode, simultaneously depress the [1] and [2] keys. Afterwards, pressing any key except cancel [*] and enter [#] will recall the corresponding memory and set the receiver and mode accordingly. Do not press the enter [#] key after .

For example [1] recalls and tunes memory location 1
[2] recalls and tunes memory location 2
[0] recalls and tunes memory location 10

To exit the one-touch mode and restore keypad operation to its normal mode, press either cancel [*] or enter [#], or switch main power off and then on again. The keypad always starts up in the normal mode when power is applied to the receiver.

TROUBLESHOOTING

The keypad accessory should provide years of reliable service. There are no internal batteries to wear out, and no adjustments or user-replaceable components inside.

If operation become erratic, press the cancel key [*] two or three times to clear the radio's digit buffer. If this fails to restore proper operation, switch off the receiver and then back on.

If multiple digits appear when as each key is pressed, try powering the receiver with internal AA batteries. If operation is normal with battery power, try replacing the AC power supply with one that has sufficient filtering and voltage regulation. We have seen erratic operation even with an original Lowe KPAD-1 when a low quality wall-wart type power supply is used to power the receiver.

If you press and *hold* a button for a period of time, the digit will repeat. This is normal for this keypad.

The One-Touch mode only works with the HF-150. If you attempt to enter this mode while it's connected to a HF-225, no damage to the receiver will result, and normal operation should resume after "normal" mode is resumed.

If problems still continue, please contact me at via email or telephone.

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