

## Encryption Board Options

Icom offers 2 different encryption boards as an accessory that is added to your radio. Choosing between them depends on the type of encryption you prefer.

- UT-109: This board uses simple voice inversion, capable of up to 32 different codes. The board also supports use in an LTR or Passport system.
- UT-110: The encryption used in this board offers the more secure rolling code encryption, with up to 1020 codes available.

To use the encryption board, you'll need to open your radio and cut 2 points on your radio's main circuit board. Depending on the radio model, the cut points are usually around the accessory jack. In most portables, removing the accessory plate will give you access to the cut points.

The cut points are plainly labeled on the circuit board. Remember that these are multilayer circuit boards, and care needs to be taken so that you do not cut the boards too deeply.

Radio	Radio Circuit Board Cut Points
F3	W2, W10
F4	W2, W12
F320/F420	A, B (encryption unavailable in serial numbers lower than 50k)
F3G/F4G	C, F
F30G/F40G	A, B
F33/F43G/F43TR	C, F
F14/F24 F3021/F4021	Mic/Disc
F3061/F4061	AFOut/Mic
F121/F221	Mic/Disc
F521/F621/F621TR F5061/F6061	A, B
F70/F80	CP1, CP2
F1721/F1821	Mic, AFOut; solder CP37