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19 February 2006,

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Programming interface schematics for Kenwood:

Programming software for Kenwood TH-F7E (TH F7 E THF7E) :

PDF User Manual for Kenwood TH-F7E (TH F7 E THF7E) : [Kenwood TH-F7E \(TH F7 E THF7E\) Instructions Manual](#)[Instructions Manual](#)

PDF Dealer's Manual for Kenwood TH-F7E (TH F7 E THF7E) :

PDF Service Manual for Kenwood TH-F7E (TH F7 E THF7E) :

Schematics for Kenwood TH-F7E (TH F7 E THF7E) :

[Kenwood TH-F7E \(TH F7 E THF7E\) Block diagram](#)[Kenwood TH-F7E \(TH F7 E THF7E\) Schematics](#)

Mods for Kenwood TH-F7E (TH F7 E THF7E) :

[Kenwood TH-F7E \(TH F7 E THF7E\) "Service Menu" documentation project page: 1, 2, 3, 4, 5, 6, 7](#)[Kenwood TH-F7E \(TH F7 E THF7E\) MARS/CAP \(extended transmit\)](#)[Kenwood TH F6 A - TH F7 E "morphing" ;-\)](#)[Kenwood TH-F7E \(TH F7 E THF7E\) A Service Menu switch](#)

Known issues and problems for Kenwood TH-F7E (TH F7 E THF7E) :

[Kenwood TH-F7E \(TH F7 E THF7E\) defective charging jack problem](#)[Kenwood TH-F7E \(TH F7 E THF7E\) external power source/charging problem](#)[Kenwood TH-F7E \(TH F7 E THF7E\) low modulation level problem](#)Kenwood TH-F7E (TH F7 E THF7E) technical specifications : [Kenwood TH F7E technical specifications](#)[Ads by Goooooogle](#)**Offerte per Radioamatori**

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Kenwood TH-F7E (TH F7 E THF7E) low modulation level problem

One of the biggest TH F7E problems is the modulation level. Compared with other transceivers, mine is 1/2 in 2m and 1/3 in 70cm, in terms of modulation.

One of the low modulation reasons is the microphone design: there is no case opening for mic. Instead, the sound must "travel" from the speaker's holes, through a little channel, finally finding the mic. Sometimes, during assembly, the channel can be filled with speaker fix glue.

Another reason is the "Service Menu" setting.

Solutions:

1. Open the transceiver (as described in the MARS/CAP mod page) and check out if the mic channel is clear (using a small piece of wire). If this is not the case or the improvement is not enough (in most cases it will be not!) go to step 2).
2. Open the transceiver (as described in the MARS/CAP mod page), power on and close the "Service Menu" contacts instantly. The "Service Menu" contacts are located close to the 1 and 4 keys, as described in the following picture.



Warning! On the first service menu option, DO NOT press "OK"! You have been warned! Once in the Service menu, press "Right" on the "Multi-scroll key" until you see a line like this: "MAX:?? f1:??". The "??" will be a hex value between 00 and FE. Now press "BAND" to the desired adjusting band. Turn the "Tuning Control" for a bigger value. Press "OK" on the "Multi scroll key" to set the new value. Check out with your friends, not to get overmodulation. It will be better to make this test with the case closed. Repeat the adjustment for all bands. On my transceiver, the best values are "FE" for 2m band and "51" for 70cm band.

[New Kenwood TH F6/7
Mod: Service Menu
switch!](#)

[New Kenwood TH-
F6/TH-F7 conversion!](#)

That it, do not forget to close the transceiver ;-)
Enjoy your new toy :-)

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