



ELAD FDM-DUO Quick Start Guide: Stand Alone

Refer to Elad repository website <http://sdr.eladit.com/> for latest user manuals, software and firmware updates.



Short Pressure/Long Pressure

Each key have a different function if it is pressed for a short or a long time. Modify this time in the system menu 71 "Hold Time".

Select a band

Keep pressed the **F1** key until the desired frequency/band appears on the LCD display, then release the key and the current VFO is set to the frequency and mode saved in the memory channel 180 - 199.

Change Mode

Push the **MODE** key to change the operating mode.

Antenna Tuning

Apply a long pressure on **F3** to switch to the Antenna Tuning Mode. In this mode a tone at the transmission frequency is generated. Use **E2** to modify the transmission power. Apply a long pressure on **F3** to quit the antenna tuning mode.

Select the TX source (MIC / TX USB Data)

Push **MENU**. Turn **E2** to select the menu 32 "TX IN", push **E2** to display the parameter setting, then turn **E2** to select the microphone or the TX USB data. Push again **E2** to save the setting and exit.

Tune a frequency

Use the **main knob** to set the current VFO frequency. Apply a long pressure on the main encoder to enter the "Digit by Digit Tuning Mode".

Digit by digit tuning mode

In this mode use the **main knob** to modify the selected digit and **E1** or **E2** to change which digit you want to modify. Apply a short pressure on **main knob** to return in the standard tuning mode.

Change the tuning step

Push the **main knob** to enter the step selection menu, turn the **main knob** to select the tuning step preset. Push the **main knob** to save.

Toggle between two tuning step

Push the **S** key to use the frequency step selected in the menu 7 "Quick Step", press again the **S** key to use the previous frequency step.

Modify the system settings

Push the **MENU** key. Turn **E2** to select the parameter, push **E2** to display the parameter value, then turn **E2** to modify the parameter value. Push again **E2** to save the setting and the **MENU** key to exit.

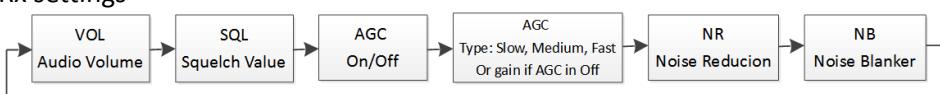
Use of E1 and E2 Knobs

Turn: modify the selected parameter

Short press: change parameter selection

E1 knob

Rx settings



Tx AM/SSB/FM settings



E2 knob

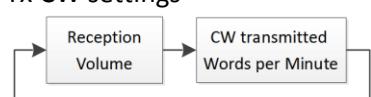
Rx settings



Tx settings



Tx CW settings





ELAD FDM-DUO Quick Start Guide: Pc Mode

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Features Available with ELAD FDM-SW2 Software (Ver. 1.88 or Greater)

FDM-DUO Stand Alone Control

Mode: RX1 = Stand Alone (CF) RX = TX

Antenna Automation: Use only RTX/TX Antenna

Volume: 5

TX Power: 0.3W

AGC: OFF

Macro Selection: VHF, HF, TUNE ON, TUNE OFF, CW, LSB, USB, AM

User-Defined Macros

"FDM-DUO Manager" allows management of the data (Memories, Backlight Colors, CW Messages and SPF-08 Pre-Selector settings) stored in the FDM-DUO internal memory.

FDM-DUO Manager

Index	Freq (Hz)	Name	Mode	File	Status
0	7.070.000	000 MEMORY LABEL	AM	C:\Users\utente\Do...	Free
1	7.070.000	001 MEMORY LABEL	AM	C:\Users\utente\Do...	Free
2	7.070.000	002 MEMORY LABEL	AM	C:\Users\utente\Do...	Free
3	7.070.000	003 MEMORY LABEL	AM	C:\Users\utente\Do...	Free
4	7.070.000	004 MEMORY LABEL	AM	C:\Users\utente\Do...	Free
5	7.070.000	005 MEMORY LABEL	AM	C:\Users\utente\Do...	Free
6	7.070.000	006 MEMORY LABEL	AM	C:\Users\utente\Do...	Free
7	7.070.000	007 MEMORY LABEL	AM	C:\Users\utente\Do...	Free
8	7.070.000	008 MEMORY LABEL	AM	C:\Users\utente\Do...	Free
9	7.070.000	009 MEMORY LABEL	AM	C:\Users\utente\Do...	Free
10	7.070.000	010 MEMORY LABEL	AM	C:\Users\utente\Do...	Free
11	7.070.000	011 MEMORY LABEL	AM	C:\Users\utente\Do...	Free
12	7.070.000	012 MEMORY LABEL	AM	C:\Users\utente\Do...	Free
13	7.070.000	013 MEMORY LABEL	AM	C:\Users\utente\Do...	Free
14	7.070.000	014 MEMORY LABEL	AM	C:\Users\utente\Do...	Free
15	7.070.000	015 MEMORY LABEL	AM	C:\Users\utente\Do...	Free
16	7.070.000	016 MEMORY LABEL	AM	C:\Users\utente\Do...	Free
17	7.070.000	017 MEMORY LABEL	AM	C:\Users\utente\Do...	Free
18	7.070.000	018 MEMORY LABEL	AM	C:\Users\utente\Do...	Free

Buttons: Load, Move UP, Move Down, Update Row, Save To File, Load From File, Save

FDM-DUO Advanced TX

AUDIO IN: Microphone (Realtek High De...
PLAY FILES: STOP, SET
EQUALIZER: Rat, 62.5Hz, 125Hz, 250Hz, 500Hz, 1kHz, 2kHz, 4kHz
VOX: Threshold, Delay
COMPRESSOR: Threshold, Ratio, Knee Type, Knee Width, Noise Floor, Release Time
FILTER: 300 - 4000 Hz
MODULATOR: USB
WAVEFORM: Overshoot Control Out (I/Q)
WAVE OUT: Line (FDM-DUO Audio Device)
ON AIR, TUNE, PTT

Tx Mode Selection:
CW, USB, LSB, AM, FM

Input Mode Selection:
- Key or Paddle for CW
- Mic or Sound-Card for USB, LSB, AM, FM

NB: user manuals and softwares are provided on an USB flash drive supplied together with cables assembly bag. Use this USB flash drive also to proceed with firmware upgrades.