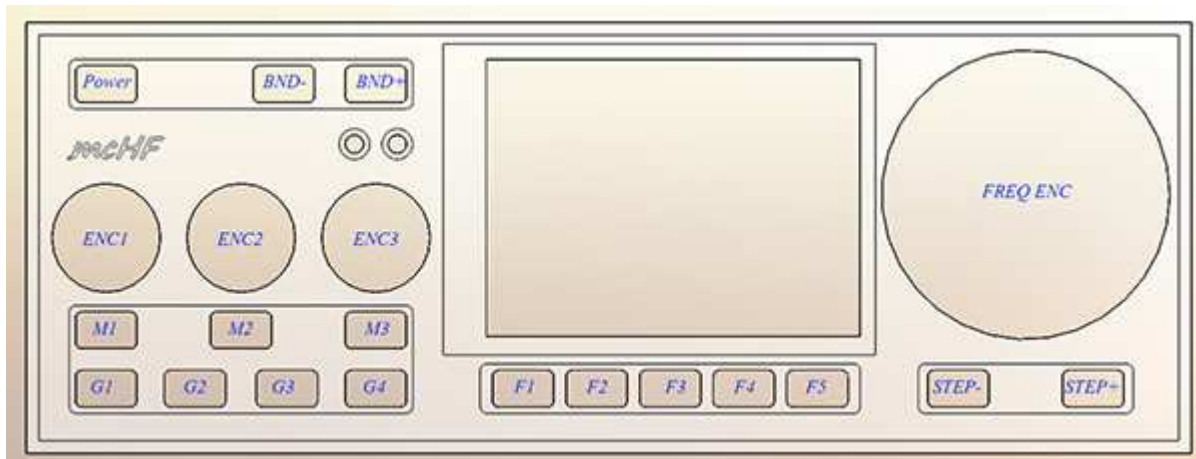


Features

- Standalone and compact embedded transceiver
- Operates on USB, LSB, AM and CW
- Large 2.8 inch color LCD
- Four encoders and 17 buttons for easier operation
- Fast and fully electronic RX/TX switching
- Two USB ports – for PC control and external keyboard
- Two temperature compensated oscillators/clocks makes it ideal for digital modes
- Four digital filters – 1.8kHz, 2.6kHz, 3.6kHz and 10kHz
- Built in Iambic Keyer that supports Mode A and Mode B
- Large 48kHz spectrum display

User Controls

Here is a brief explanation of the mcHF user controls

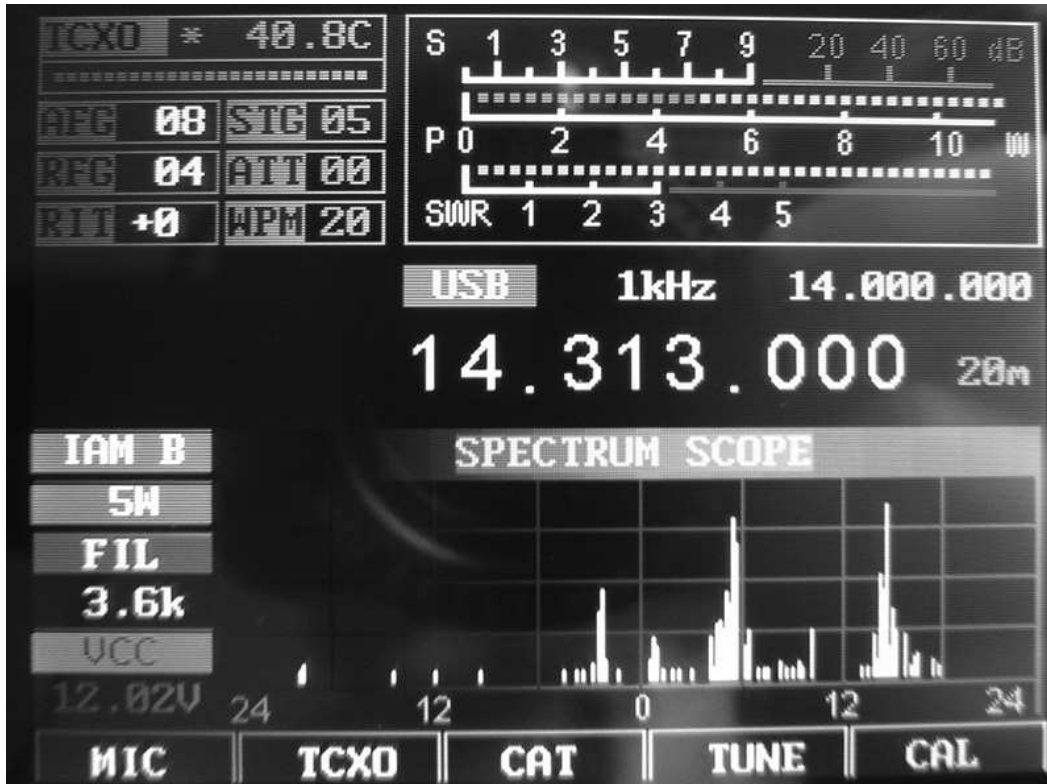


POWER	Click to power on, press and hold for power off
BND-	Go to lower band
BND+	Go to higher band
ENC1	Audio Gain, Sidetone Gain
ENC2	RF Gain, RF Attenuator
ENC3	RIT, Keyer Speed
FREQ ENC	Frequency dial
M1	ENC1 mode
M2	ENC2 mode
M3	ENC3 mode
G1	Demodulator mode
G2	Keyer Mode
G3	Output Power Level
G4	Filter selection
F1	LINE IN/MIC toggle
F2	TCXO enable (blue on)

F3	CAT control enable
F4	Tune mode
F5	Calibrate menu
STEP-	Tuning step down
STEP+	Tuning step up

LCD Controls

Here is a quick explanation of the mCHF LCD controls



TCXO – Displays the LO temperature, tracking is via numeric and linear indicator. The small star indicates lock (grey – TCXO disabled, red – lock is lost, blue – lock achieved)

S,P,SWR – In receive mode displays current signal level(S-meter), in TX mode displays output power(top) and SWR (bottom)

AFG – Audio Gain control, sound volume level on the speaker

STG – Sidetone Gain control, sound volume level of the CW tone when TX

RFG – RF Gain control, audio samples magnitude

ATT – Attenuator control, physical RF attenuator in front of RX preamp

RIT – RX frequency offset

WPM – Iambic keyer speed

USB – Demodulator current mode

1kHz – LO current step

14.000.000 – RIT absolute value (when RIT control is different than 0)

14.313.000 – LO frequency

20m – Current Band

IAMB – CW mode

5W – Output Power Level

FIL – Current Filter

VCC – Supply Voltage

Spectrum Scope – FFT 48kHz wide band indicator

MIC – Input source mode

TCXO – state of the LO temperature compensation routine(blue on)

CAT – Computer control enable

TUNE – Tune mode state (red on)

CAL – Calibrate menu state (red on)