

Preliminary information only!

[Microphone amplifier testing](#)

[Oscillator testing](#)

Size is 145 x 57 x 29mm (excluding switch, sockets etc.). The case is made from single sided unetched

See [original Fredbox](#) at [G3XBM's homepage](#) .

[fredbox/fredbox{/gallery}](#)

[fredbox/panel{/gallery}](#) Fredbox panel layout. Charging LED is lit only while charger is plugged in

[fredbox/front{/gallery}](#) Fredbox with whip antenna plugged in.

[fredbox/board{/gallery}](#) Internal view, showing circuit sections. Construction is "ugly" on single sided

[fredbox/rx{/gallery}](#) Closeup of receiver section. The two coils in the foreground are L1 and L2, and

[fredbox/tx{/gallery}](#) Closeup of transmitter section. Microphone amp is lower left. Crystal and doubler

[fredbox/linear{/gallery}](#) linear is from [Harry's Homebrew](#) .

[fredbox/battery{/gallery}](#) Battery pack under construction. Uses ten NiMH cells with 600mAh capacity

[fredbox/pp3{/gallery}](#) Battery pack is slightly larger than a standard 9V PP3 battery.

[fredbox/lcheckm{/gallery}](#) "INDUCTANCE LAB": a [602 circuit documented as](#) oscillator and feeding

[fredbox/sa{/gallery}](#) Typical spectrum analyser screen, showing the internal 10MHz marker calibration

[fredbox/circuit{/gallery}](#) Circuit diagram as I have built it.

[fredbox/72mhz{/gallery}](#) Spectrum at output of crystal oscillator and doubler. Scale is about 60MHz (

[fredbox/g0upl{/gallery}](#) G0UPL's kitchen table! Fredbox in the foreground. Behind that (roughly left