LOWE HF-150 HF receive system

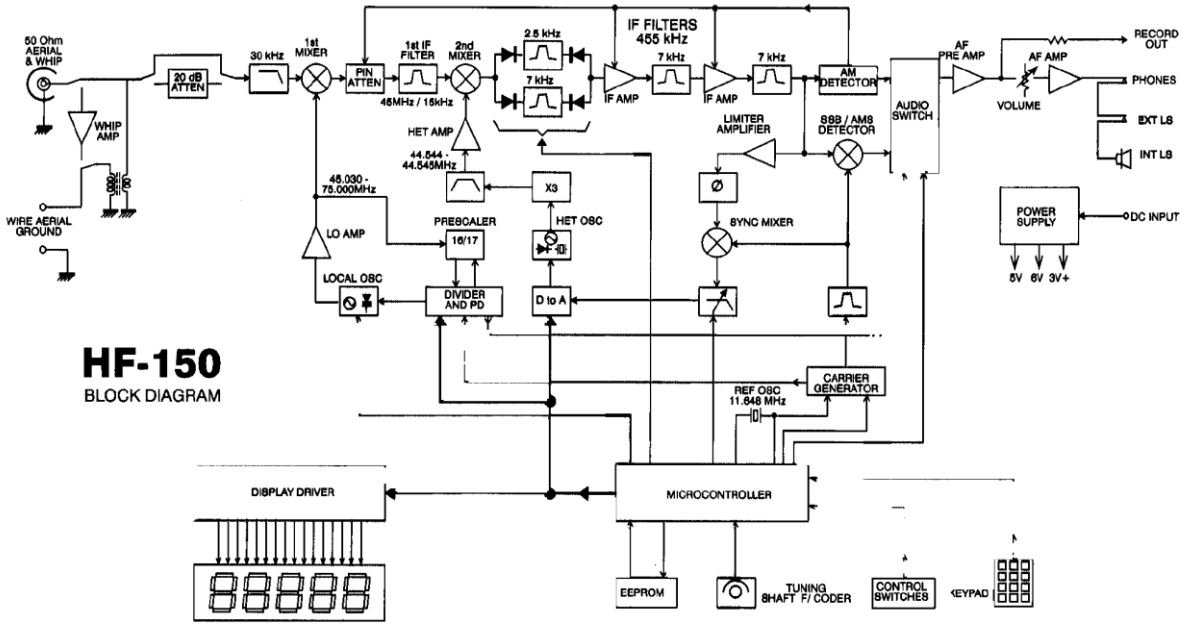
Matthias, DD1US, February 22nd 2026

When I was young, I was often looking at the LOWE HF-150 receive system but due to its cost I never got one. Meanwhile these systems are available second or third hand for quite reasonable cost and thus I decided to buy one and refurbish it.

The system is comprised on the HF-150 receiver, the PR-150 preselector, the SP-150 speaker with integrated audio amplifier, audio filter and S-meter and the KPAD1 keypad.

The HF-150 receiver is very compact design with a rather puristic user interface.

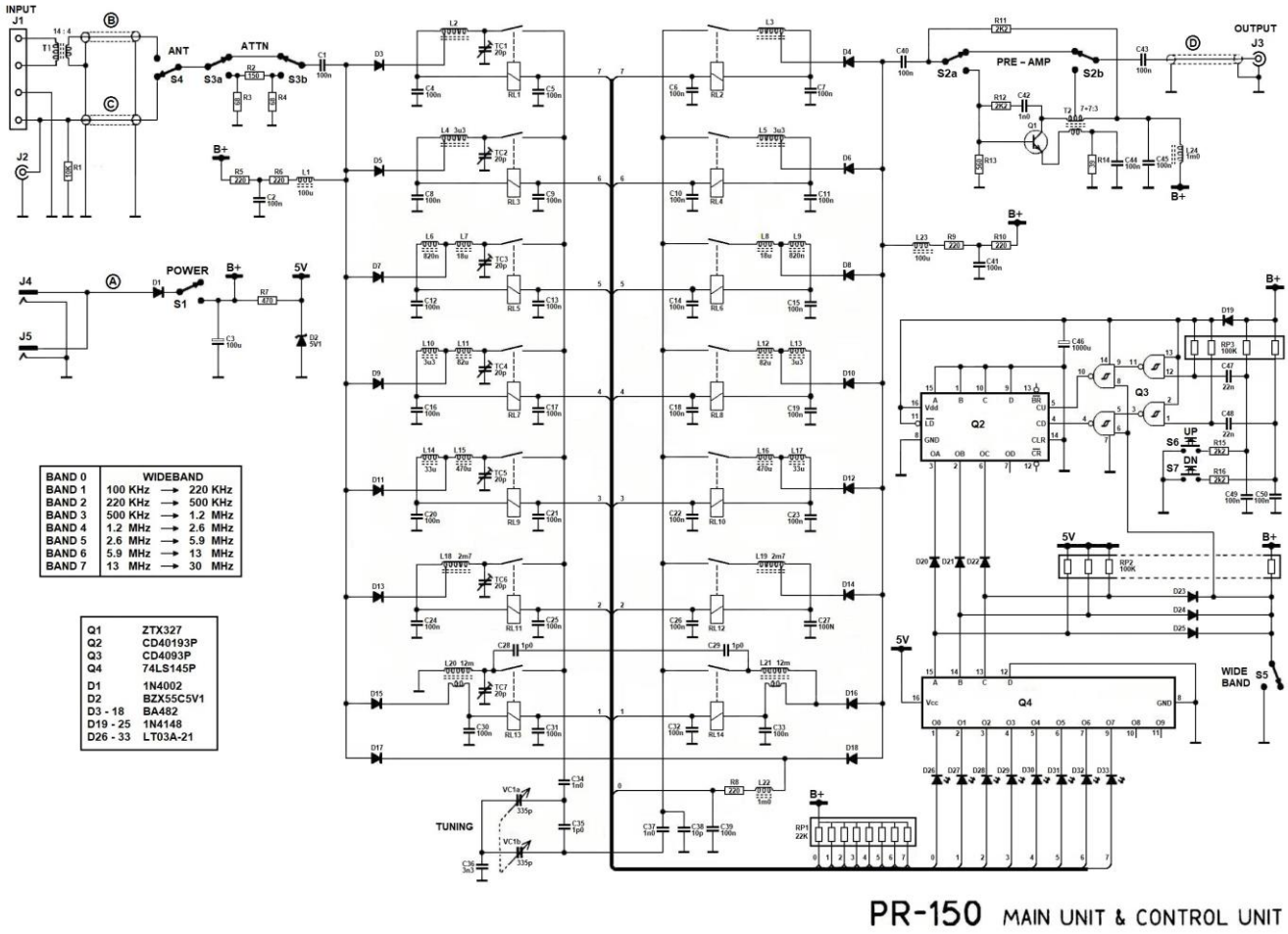
The HF receiver HF-150 covers the frequency range 30 kHz to 30 MHz and is using a high 1st IF of 45 MHz and a second IF of 455 kHz. It features demodulators for USB, LSB, AM and synchronous AM. The IF bandwidth can be switched between 7 kHz and 2.5 kHz.



The receiver can be operated by integrated batteries or by an external 12V DC supply voltage.

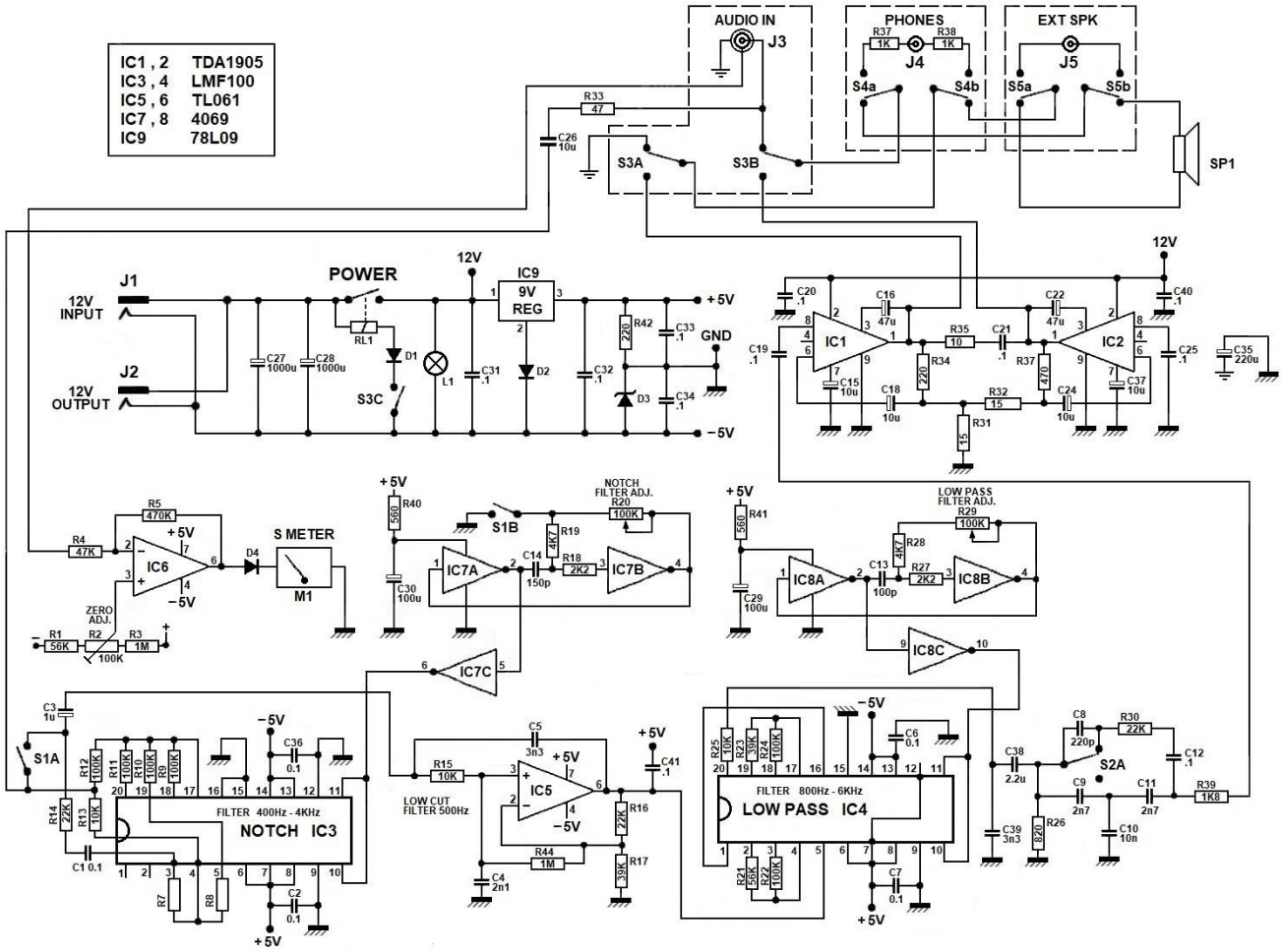
This system is largely based on the famous PLESSEY ICs.

As the HF-150 receiver features no input filters the PR-150 preselector is highly recommended to provide adequate protection of the receiver against overloading by large out-of-band signals. The preselector has 7 filters and a bypass mode. It also features a pre-amplifier, an attenuator and an antenna switch



PR-150 MAIN UNIT & CONTROL UNIT

The SP-150 (also called RP-150) unit integrates a speaker, a 10 W audio amplifier, a switchable lowpass audio filter and a tunable notch filter. In addition, it features a signal meter. External speakers as well as headphones can be connected.



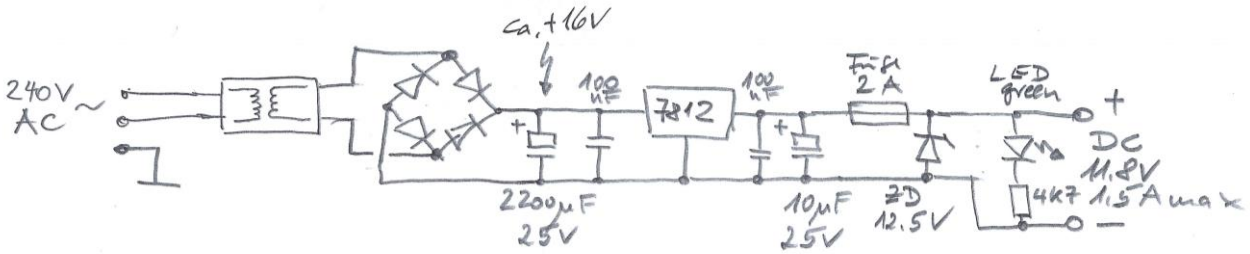
I have also added a KPAD1 keypad which can be used to enter the frequency directly or recall one of the 60 memories.

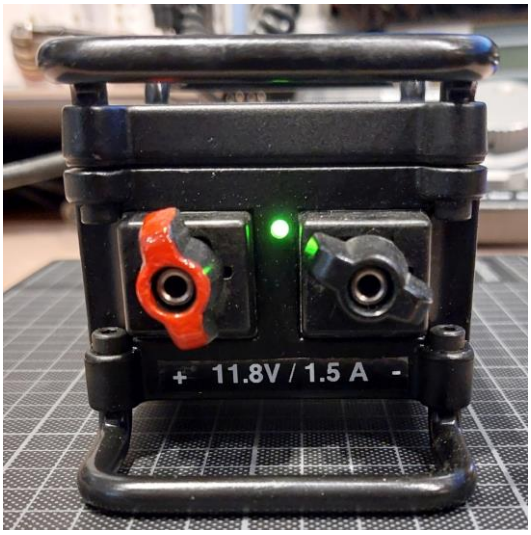
Finally, I also have an IF-150 serial interface which allows to control the receiver by a PC.

I upgraded my units by adding a backlight to the LCD display of the HF-150 as well as to the signal meter of the SP-150.

LOWE offered a nice rack in which all three units, which have the same size of footprint, can be nicely integrated. Here are some pictures of my setup (from bottom to top: PR-150, HF-150, RP-150, KPAD1).

I built a suitable linear regulated power supply which provide a low noise 11.8V DC supply voltage:





Here is the LOWE receiver rack next to a JIL SX-400 based rack.

I am always grateful to get feedback and will be happy to answer questions.

Please direct them to the Email address which you will find below.

Best regards

Matthias DD1US Email: matthias.bopp@gmx.de Homepage: http://www.dd1us.de