

## Ultimate3S kit

Written by Hans Summers

Monday, 01 June 2015 03:49 - Last Updated Sunday, 26 June 2016 09:47

---



This is my implementation of the [QRP Labs Ultimate3S QRSS/WSPR kit](#) . My U3S is installed in the official [QRP Labs case](#) [relay-switched LPF kit](#) [QRP Labs QL1 GPS receiver module](#)

The system consists of the following blocks:

- 1) [QLG1 GPS receiver kit from QRP Labs](#)
  
- 2) [QRP Labs Ultimate3S QRSS/WSPR TX kit](#) (including [relay-switched LPF kit](#) and [6 LPF kits](#) for 6 band operation)
  
- 3) [Simple RF Power meter project](#)
  
- 4) 13.8V 5A Switched Mode power supply
  
- 5) Simple 5V regulator based on the 7805 chip (TO220 package).

The RF output is connected to a 30m length of RG58 coax. At the far end, the coax connects to a balun at the centre of a simple 30m wire dipole (no tuners etc). No attempt has been made to trim the dipole for proper resonance, so this system is far from perfect. Nevertheless it works

## Ultimate3S kit

Written by Hans Summers

Monday, 01 June 2015 03:49 - Last Updated Sunday, 26 June 2016 09:47

---

well. I use it on bands from 160m to 10m even though the dipole is for 30m. Obviously the other bands work less well than 30m.

### **Photo (click for larger size)**

{gallery}u3kit/photos{/gallery}