

## Modifying AOR-7030

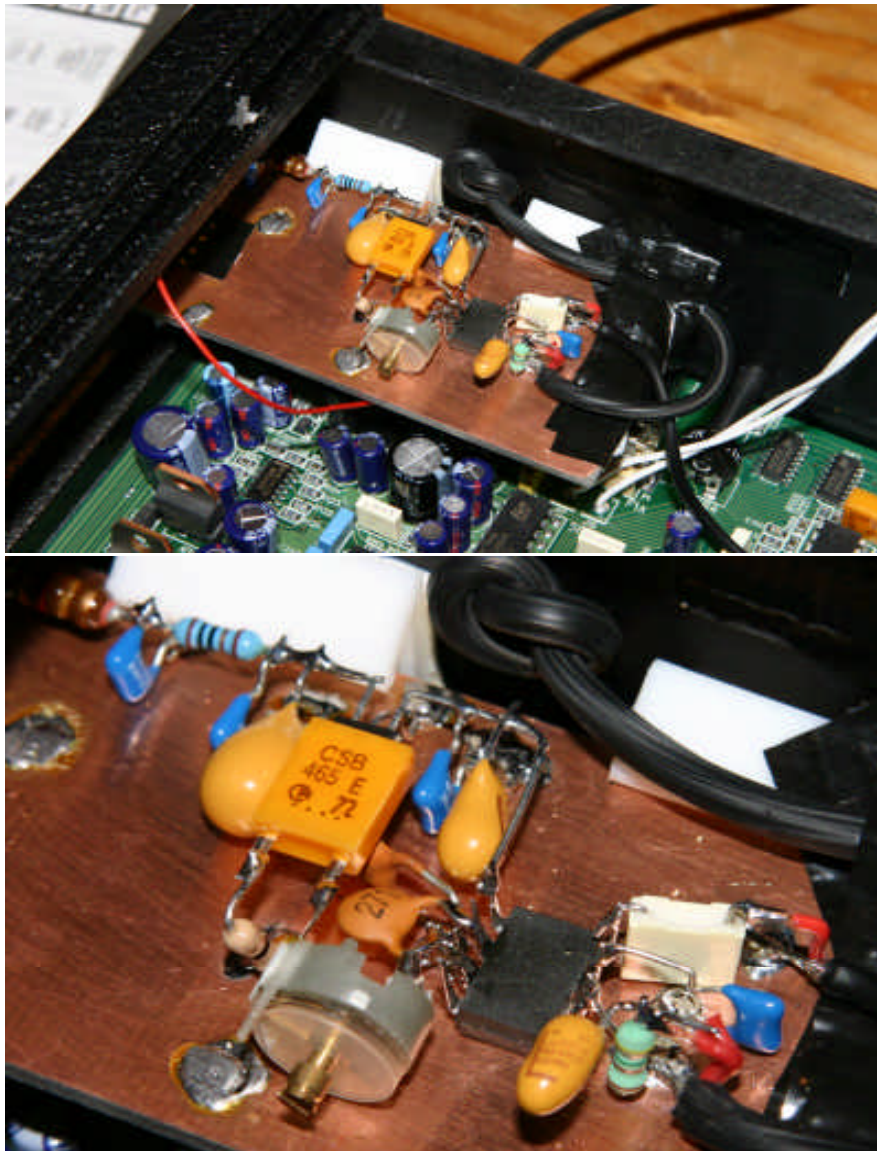
When I was looking for a DRM modification for the AOR-7030 I found the page [http://www.drmtx.org/receiver\\_mods.html](http://www.drmtx.org/receiver_mods.html), there is a link to the description of the modification for AOR-7030.

I wanted to build the modulator myself in stead of buying it. When I tried to buy the components all except for the crystal of 467 KHz where readily available. Instead of the crystal I bought a ceramic resonator of 465 KHz (this you can buy everywhere and at a much lower cost than the crystal).

I build the modulator on a small peace of print as you can see in the pictures. I hate drilling holes in a relative new radio, so I just put a shielded wire trough the 3 mm hole above the computer connector and soldered a 3 mm plug at the other end, which go 's to the soundcard input.

In the schematics of the modulator, just replace the crystal by the ceramic resonator in series with a variable (trimmer) capacitor of about 60 pf. After building the modulator you can trim the capacitor with your AOR-7030 by tuning the radio to 476 KHz in USB, put a wire in the antenna connector and lead it close to the modulator. If it works, you should hear a beat frequency, which you can tune to zero Hz (zero beat). Now the oscillator runs at 470 KHz.

I haven't modified anything else in the radio and it works fine. Here are the photos:



Success in building it,  
Hans Mank (j.a.m.mank@chello.nl)