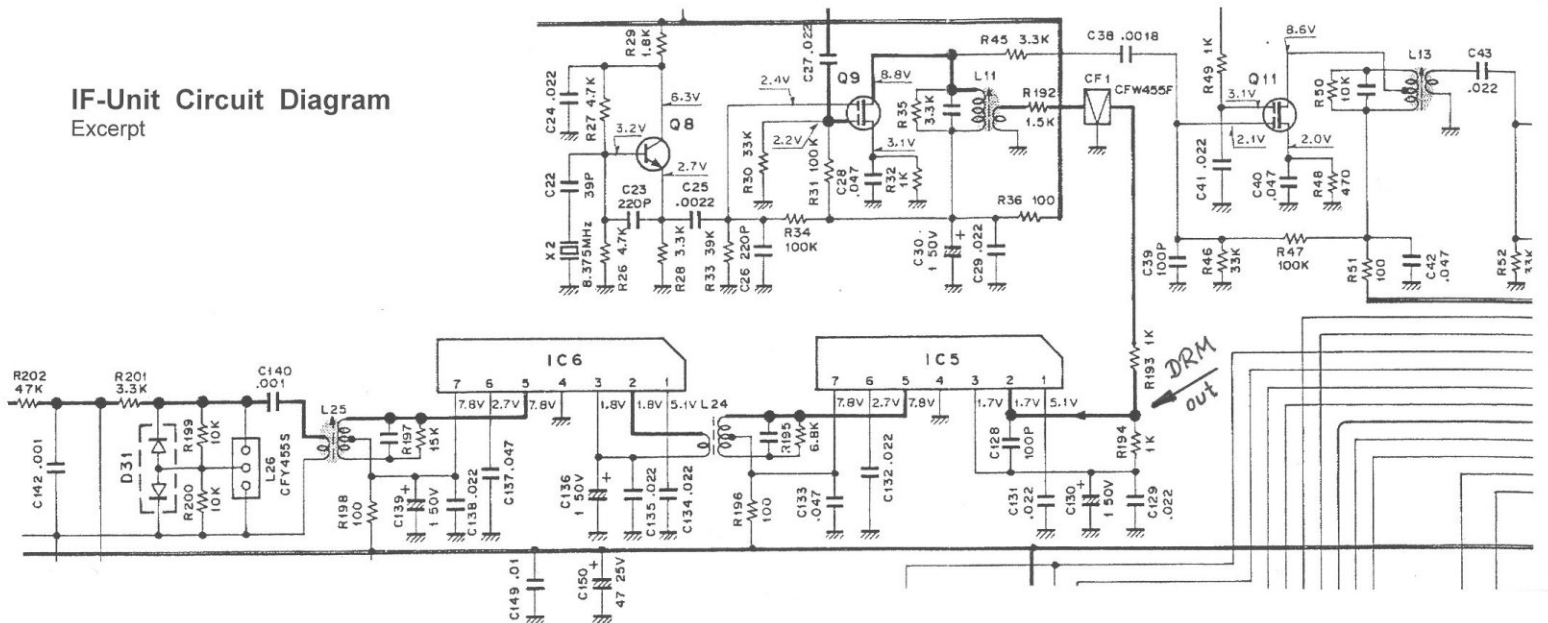


### Excerpt



A filter CFW455F is already included in the receiver. The DRM-mixer input (module type Sat-Schneider with SA612A and crystal) is connected at pin 2 of IC 5 ( $\mu$ PC577H).

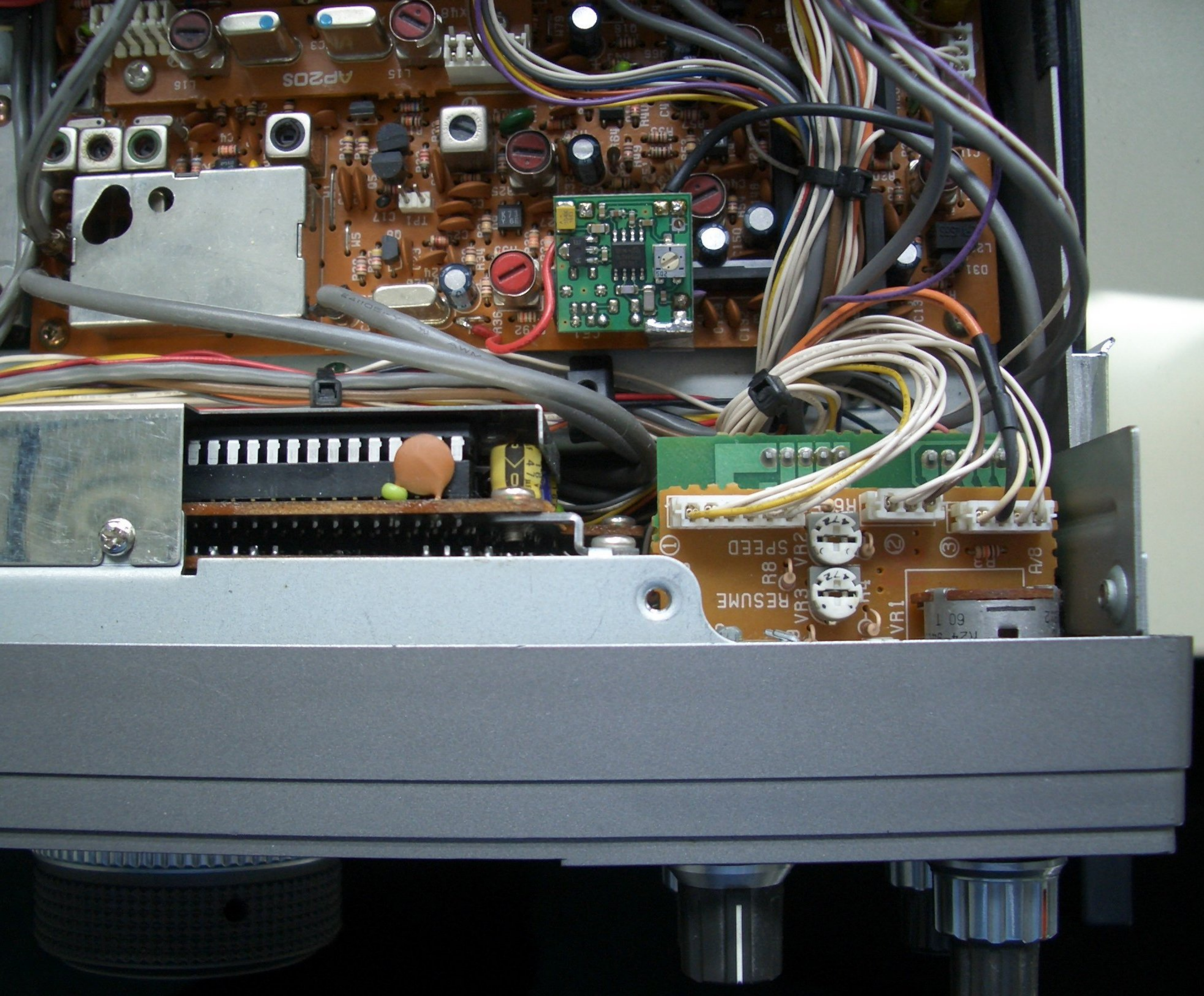
From the antennae input to this point is no working AGC. For Signals louder than S9 +20dB it is useful to reduce the level with the attenuator to get a better SNR. Best SNR was 34.5 dB from VoR/Taldom with DRM-Software-radio.

In use since 1 ½ years.

08/2004 DL7PN



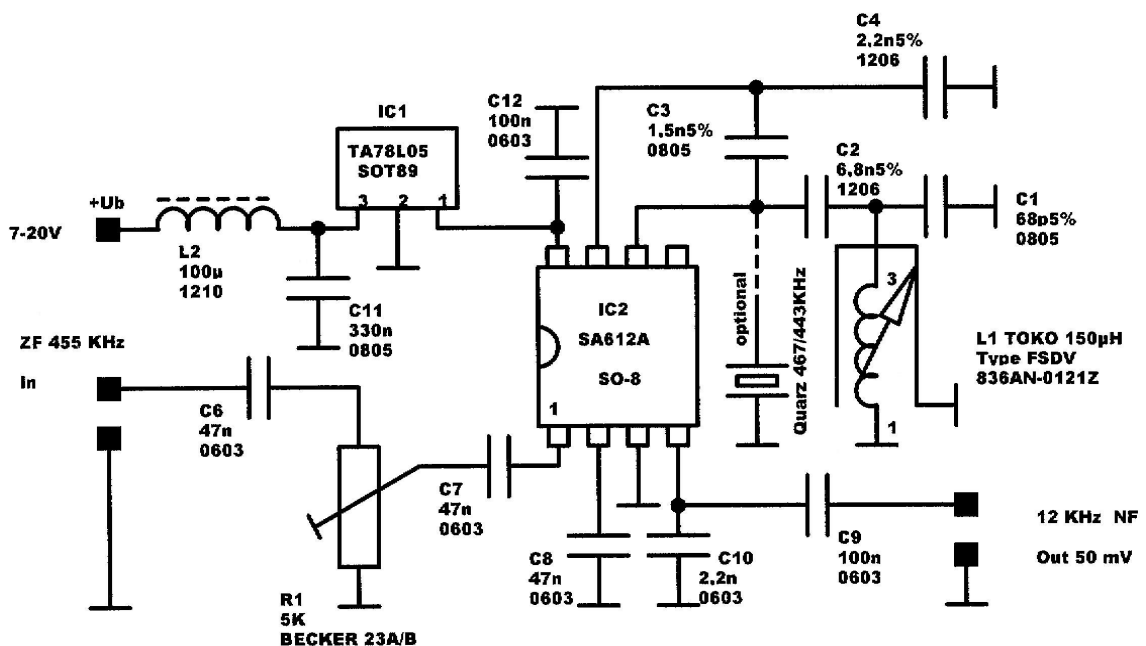
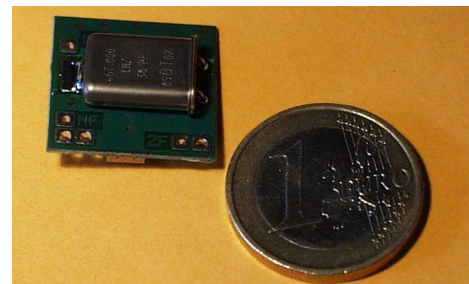
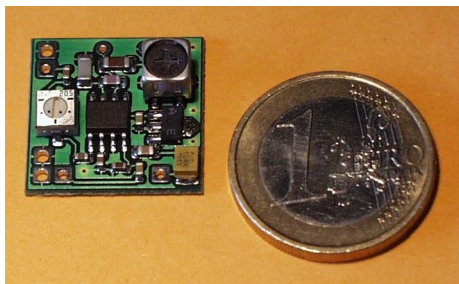






## DRM – Miniature Mixer Unit with crystal option

Universal downmixer unit from 455 KHz or 10,7 MHz to 12 KHz (input of a PC-soundcard), designed for modification of existing AM- broadcast receivers to be able of DRM- receiving by use of the Softwareradio from Fraunhofer Institut für Integrierte Schaltungen and other decodersoftware. Dimensions of the board 20x20x6,5mm ; oscillatorfrequency eligible 467KHz; 443KHz or 10,712 MHz. Power supply 7 to 20V. Current consumption < 6 mA . Optional crystal 467oder 443 KHz instead of LC; then 8,5mm high. At 10,712 MHz only crystal operation. Recommended value of output signal voltage: 25 to 50 mV r.m.s, not more than 100 mV r.m.s (DRM- Signal), mixer gain adjustable. Input Impedance 2 to 4,5 KOhms depended on adjusted mixer gain.



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