

**RX Channel - Automatic Gain Control**

The Automatic Gain Control (under the AGC acronym) is a special electronic circuit, which is able to control the amplifier stage voltage gain in base of a feedback signal, such way it maintains a constant output signal. It has been installed into the STUDIO 4.1 with the role to eliminate the peaks of the telephone line signals (e.g. the tone emitted by a fax polling). This will provide a soft, pleasant receiving and exclude the eventual hearing damages (due to long exposure at high sound levels).

The diagram of fig. 1 presents the AGC circuit activation/release timings and the relative signal treatment on the Receive channel towards the earphone.

Fig. 1

