

# Genius D



## Digital Audio Changeover & Silence Detector

**GENIUS D** is a fully digital audio changeover, designed for Radio and TV broadcast markets.

**GENIUS D** allows the connection of 2 analog input sources -main and backup and constantly checks the main audio presence.

In case of fault, **GENIUS D** switches the input source from main to backup.

The intervention/return time are configurable via software. The input source switch can be automatic or manual via front panel, software or GPIIn.

The audio process is fully-digital via DSP, where a special section is dedicated to audio control; the Denoiser module cleans the sound from unwanted noise.

The Tone Generator provides a test tone, useful to trim an audio network chain.

The DTMF Encoder and Decoder are also available with customizable strings that can be interfaced with radio and TV automation systems.

## Main Features

- ☑ Digital DSP-based audio changeover with 2 analog inputs and 1 analog output
- ☑ Input to output switch and fade with customizable time intervention and restore
- ☑ Graphic LCD display and front panel button for monitor and control

☑ Internal DTMF encoder/decoder for automation system

☑ 1 RS-232 serial port, USB and GPIO port

