

# AVC 2D AUTOMATIC VOLUME CONTROL

## Analogue signal processing Digital control

With all the features of the AVC2 plus a number of enhancements the AVC 2D gives full control of music levels without compromising the audio quality.

The AVC 2D has three operating modes. The first is stereo, the second is two mono channels and the third is stereo with control microphone.

The LCD displays shows the status and all the information required is clearly visible for installer and operator. There is an LED to show if the input is clipping.



The AVC 2D automatically adjusts the volume once a preset threshold has been reached to keep the audio level within that required.

When attenuating the audio signal the distortion from the AVC 2D is less than 0.01% so the quality of the audio is not compromised.

The audio signal processing is entirely analogue, control of the audio level is digital using a PIC controller. This combination gives the best control of audio levels and retains the sound quality.

In stereo mode; two thresholds can be set; so for example one level could be for daytime and the second for night.

In mode 3 with control microphone connected the sound level is controlled based on the actual SPL so changes to equipment after the AVC 2D are compensated for.

A fourth mode to be added later will monitor the level of ambient sound, and for example adjust the paging level up if noise is high.

The factory setting will not instantly react to individual peaks or dips but responds to average programme level (this is a good thing). The attack and decay is adjustable.

The factory setting gives smooth operation that is almost imperceptible as the level is automatically adjusted, with minimal effect on your systems audio quality.

A security panel on the back protects against unauthorised adjustment.



