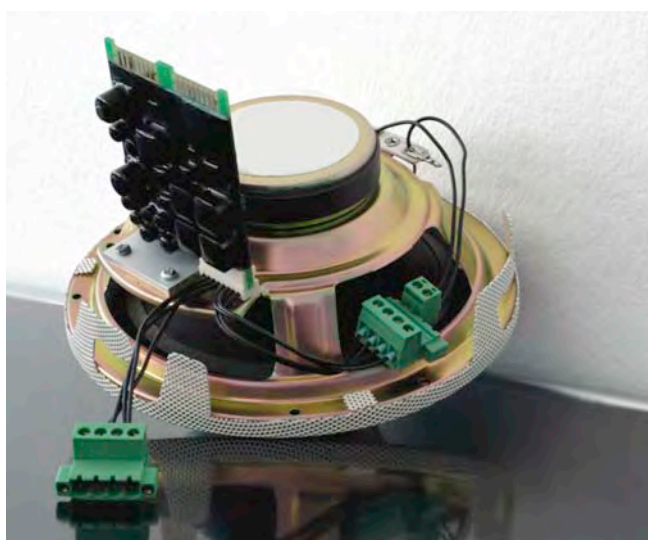


I-PAM – Digital Multi Channel Amplifier Module at a Glance:

The I-PAM is an essential component of VARIZONE's Digital Speaker System (DSS). It operates as a converter from DSS bus to a 2-channel analogue powered loudspeaker with an output of 6W per speaker. The I-PAM receives power and 8 different audio signals in addition to bi-directional control data by the DSS bus.

The I-PAM is programmable and actively selects each audio channel from the pool of audio signals for payout via the connected speaker.



I-PAM features:

- Allows installation of up to 2 speakers
- Power supply via speaker line bus
- Output power: 2 x 6 watt
- Individual selection of audio channels from the DSS bus
- Built-in volume control of the selected audio signal
- 2 control interfaces for connection of remote controls
- 2 trigger inputs and 2 trigger outputs centrally controlled (e.g. to open or close remote controlled doors)
- Individual monitoring of the connected speakers via a 20kHz pilot tone
- Individual adjustment and monitoring of all installed I-PAMs via the VAB1 Controller

Volume and source selection modules can be connected directly to the I-PAM and allow a change of the selected signal or a volume adjustment (e.g. for volume control in hotel rooms through hotel residents).

The new I-PAM is barely the size of a matchbox and therefore can be installed directly on the speaker for example in the enclosure offering drastic equipment and cost savings.

VOLUME CONTROL and CHANNEL SELECT EXTENSION

To allow remote control of the Digital Speaker System the VARIZONE I-PAM can be connected with a VOLUME CONTROL panel and in addition with a CHANNEL SELECT EXTENSION panel.

These wall control panels allow the selection of up to 8 different channels provided by the DSS Bus and volume control for a predefined zone or group of zones.

