

## Sinus – 2K

### mixing amplifier



The AVE model sinus - 2K is a mixing amplifier with five mic / line inputs and a switchable CD / AUX input. Each mic / line input is equipped with a GAIN control, a 3-band equalizer and a volume and power indicator. The CD / AUX input comes with separate bass and treble controls. A 9-band graphic equalizer affects only the inputs 1 - 5

All sources are controlled by a master volume control. The SINUS - 1K comes with a VU meter and a display for clipping and protection.

The unit also features a variety of additional features such as a directly controllable output 0 - +6 dB, optional remote control, adjustable sensitivity for AUX.

The mixer amplifier sinus - 1K achieves optimum sound quality both in challenging church sound as well as other difficult acoustic environments.

|                            |                     |
|----------------------------|---------------------|
| <b>Line</b>                | Electronic balanced |
| Input sensitivity:         | -19 dBu ± 1dB       |
| Frequency Response (-3dB): | 40 Hz - 20 KHz      |

|                                      |                                |
|--------------------------------------|--------------------------------|
| <b>Microphone</b>                    | Electronic balanced            |
| Input (Mic high /Mic low):           | -58 dBu/ -34 dBu ± 1 dB        |
| Frequency Response (-3dB) input MIC: | 160 Hz - 20 KHz                |
| CMMR:                                | > 60 dB @ 1 kHz                |
| Gain Range:                          | 30 dB                          |
| THD Range:                           | 20 dB                          |
| Hi-pass filter:                      | 160 Hz, 6 dB/oct               |
| Phantom power:                       | +48V rear selectable per input |

|                  |                 |
|------------------|-----------------|
| <b>Equalizer</b> |                 |
| Treble:          | ±12 dB @ 10 kHz |
| Middle:          | ±12 dB @ 700 Hz |
| Bass:            | ±12 dB @ 70 Hz  |
| LED indicators:  | green (signal)  |

## AUX/CD

|   |                           |
|---|---------------------------|
| AUX impedance:                          | 20 k $\Omega$             |
| CD Impedance:                           | 27 k $\Omega$             |
| AUX input sensitivity:                  | -13 dBu/+3 dBu $\pm$ 1 dB |
| CD input sensitivity:                   | +3 dBu                    |
| Frequency response (-3dB) input CD/AUX: | 20 Hz bis 20 KHz          |

## CD/AUX EQ

|        |                      |
|--------|----------------------|
| Treble | $\pm$ 12 dB @ 10 kHz |
| Bass   | $\pm$ 12 dB @ 100 Hz |

## Outputs

|                                     |   |
|-------------------------------------|---|
| <b>PREOUT1, 2</b> output impedance: | 140 $\Omega$ balanced; 70 $\Omega$ unbalanced |
| Output level PREOUT 2:              | 0 dBu   |
| Output impedance DIRECT OUT:        | 140 $\Omega$ balanced; 70 $\Omega$ unbalanced |
| Output level DIRECT OUT:            | +9 dBu (variable potentiometer)               |
| Output impedance REC:               | 70 $\Omega$ unbalanced                        |
| Output level REC:                   | 0 dBu   |

## Noise

|   |          |
|---|----------|
| Noise level OUT 2 (20 Hz – 20 kHz) master volume at 0:  | -95 dBu  |
| Noise level OUT 2 (20 Hz – 20 kHz) master volume max.:  | -80 dBu  |
| Noise level CD/AUX (20 Hz – 20 kHz) master volume max.: | -80 dBu  |
| On Mic (20 Hz – 20 kHz) $R_s = 150 \Omega$              | -124 dBV |

## Output power

|                  |                                      |
|------------------|--------------------------------------|
| Output power     | 2x 150 W                             |
| Output impedance | 50V/70V/100V                         |
| LED-display      | yellow (dysfunction), red (overload) |

## General

|                         |  |
|-------------------------|--|
| Remote control          | optional remote control for both outputs |
| Mute                    | muting for each input                    |
| Operating voltage:      | 230 V~, 50-60 Hz                         |
| Consumption:            | 130W                                     |
| Dimensions (w x h x d): | 483 x 88 x 340 mm                        |
| Weight:                 | 13 kg                                    |

Technical modifications reserved