

## ALPHA ANNOUNCE DIGITAL PUBLIC ADDRESS SYSTEM incl. GENERAL ALARM

### TECHNICAL FEATURES

- Analogue input 1...7, sensitivity -45 dBu ... + 6 dBu
- Analogue input impedance (balanced) 20 kohm
- Bus 1 & 2 audio (balanced) + 6dBu
- Digital message signal format (WAV) 16bit 32 or 44,1 kHz sample rate
- Frequency response -1 dB 20Hz - 20kHz
- S/N level 96 dBA
- THD+N @1W/1 kHz < 0,05%
- Dynamic Power @8  $\Omega$  8 x 150W max.
- Output power for 70/100V  
8 outputs (ALT 8x8) 640W, 80W RMS max. /channel
- Continuous power @8  $\Omega$  /70/100V  
all ch. driven < 1 %THD 8 x 80W RMS
- Peak wattage capability 150W @8  $\Omega$ , 180W @6  $\Omega$ , 260W @4  $\Omega$
- Dynamic range 105 dB
- Mains operating voltage 100-240VAC, 47-63Hz
- Mains type connector Class I
- Power consumption at VAC 40W-990W
- Power factor at full load 0,95
- Main fuses 5x20mm 2 x T3,15A
- Backup DC Power Inlet 48VDC, 2x7A max.
- Backup Power fuses 2xT10A (inside)
- Operation temperature -5 ...+50  $^{\circ}$ C
- Operation humidity (non-condensing) 20 ...90% RH
- Measurements W x H x D 485mm x 88mm x 375mm
- Weight 8,5 kg netto

#### Signal processing and routing characteristics:

8 digital power 150W @ 8 Ohms amplifiers

7 analog audio inputs, configurable either to mic or line level

Phantom-voltage for electret microphones

Internal message player (max 128 messages), security messages in internal memory, unlimited number of messages on USB memory stick. (wav)

Input channels digital signal processing (DSP),

7 channels

Parametric equalizer, 3 band

Digital routing

Level control

Output channels digital signal processing (DSP),  
8 channels  
Tone control  
Parametric equalizer, 5 band  
High pass filter, frequency freely selectable  
12 or 24 dB/octave  
High or low pass filter 6 or 12 dB/octave  
Delay max 4ms  
Compressor /limiter  
Volume control

Connection buses and I/O's:  
Bus 1 ja Bus 2 (CAT5/6/7) for paging and control devices  
Bus 1 link connector for chaining to next Alpha Announce Digital Amplifier

Front panel USB connector for configuration file down/upload  
Rear panel and internal USB jacks for message memory

8 control contact inputs, operation configurable  
8 control contact outputs, operation configurable

Priority data for controlling the Transfer Unit  
Intelligent interfaces to external control systems like  
RS-485 controlling protocol (optional)

System operation:  
System is expandable by adding required number of Alpha Announce Digital Amplifier units. Up to 512 speaker lines / paging zones.

Possibility to use local programme sources in any ADA 8x8

System surveillance:  
Automatic switch-over to a another Digital Amplifier if master fails. Power supply voltage and temperature monitoring.  
Fan rotation monitoring.

Line surveillance:

Digital Amplifier includes line monitoring which is based on impedance. Line surveillance is intensified with line end unit.