



APart

Concept 1

Integrated amplifier



For a long time, installers worldwide have been looking for a professional integrated amplifier for use in commercial environments, boardrooms or small businesses. An affordable but yet professional unit, designed for 24/7 operation.

Their search arises from the fact that many small business owners often frown upon professional sound systems. They consider a traditional combination of pre-amplifier - amplifier - sources cumbersome, and fear it will burden their budget. All too often, the result is a consumer minisystem, sadly sitting on a shelf somewhere behind a store counter.

As an answer to these questions, APart has introduced Concept 1: an affordable pro-use stereo integrated amplifier. The unit can operate with one stereo zone, two volume-linked zones, or two individual-volume zones. The unit also offers versatile user and installer settings, RS-232 control, gain-adjustable line-inputs, a MIC-input for paging, and many other professional features.

Three operating modes

Concept 1 can operate with 1 stereo zone, 2 volume-linked mono zones or 2 individual-volume mono zones.

User controls: music volume, mic level, treble, bass. The controls can be locked.

Expert controls (access can be restricted):

- Zone settings: 1 stereo zone, 2 volume-linked zones or 2 individual volume zones
- Maximum volume setting (per zone)
- Maximum microphone level (per zone)
- Preset gain per source
- Automatic loudness
- Paging on/off (per zone)



Professional features

- Stand-alone, RS-232 or IR-controlled
- 2 versions : 2 x 80 W 4 Ohm (CONCEPT1) or 2 x 60 W – 100 Volt (CONCEPT1-T)
- Digital limiter keeps your system and speakers in control
- 4 stereo, gain-adjustable line-inputs
- Line 4 input also as minijack on front panel for connection of laptop and personal audio devices.
- Fixed line out and pre-out
- Integrated switchable highpass filter for subwoofer use
- Temperature control and automatic protect shutdown in case of overheating
- Removable rack-ears included
- IR remote control and IR extender optionally available

Thanks to its attractive price and accessible professional features, APart's Concept 1 bridges the gap between consumer hifi and pro audio. From now, on installers will be able to answer the demands of small businesses by offering an affordable model with all the professional options under the hood!

TECHNICAL SPECIFICATIONS

dynamics program power, both channels driven,
dynamics program power, both channels driven,
dynamics capacity at 1,7 ohm dips / ch
note ; power output controlled by digital limiter
Lo-cut filter
speaker impedance - connection

8 ohm 50 W + 50 W
4 ohm 80 W + 80 W
120 W

75 Hz / 12 dB/oct
4 - 16 ohms / ch - Euroblock secured
screw terminals

DIGITAL CONTROL

RS232
IR (IR-remote control optional)

SUB-D9, galvanically isolated
front IR eye, rear mini-jack

INPUTS / OUTPUTS

Source inputs A-B-C-D Input impedance / sensitivity
Source inputs A-B-C-D digital preset gain range -
Source digital tone control
Automatic Loudness
Micro balanced Input impedance / sensitivity
Micro balanced Input rear panel gain trim
Micro Tone control ; rear panel Lo - Hi

15 Kohm / 0,3V -10dBV, MAX 2,7V +8,5dBV
20 / +14 dB
Bass 90Hz, Treble 15 KHz, +/- 14dB
+6dB (90Hz) / +4dB (15 KHz) to FLAT 0dB
1,5 Kohm / 1,5 mV -56dBV, MAX 0,4V -8dBV
-56 / -16 dBV mic - line
100Hz/+3dB,10kHz/-6dB to 100Hz/-9dB,
10KHz/+4dB
1 K ohm / 0 dBV
1 K ohm / +3 dBV

Pre-out impedance / sensitivity
Line-out impedance / sensitivity



TECHNICAL SPECIFICATIONS

GENERAL

Operation modes	stereo / 2 zones linked / 2 individual zones
Micro	Paging 1 or 2 zone
Frequency response	(- 0,5 dB) 10Hz-40 KHz
THD	< 0,05%IMD
IMD	< 0,09%
Noise A-weighted	> 100 dBA
Gain	33 dB
Damping Factor	> 100
Protection systems	DC, temp, clip, overcurrent, short-circuit
Cooling	convection, no fan
Power consumption	max 170 Watt
Mains Power requirements	240 - 230 Vac, 50-60 Hz
Temperature operating range	0° - 40°c

PHYSICAL SPECIFICATIONS

Net dimensions (W x H x D)MM	430 (without rackears) x 88 x 290 (320 including knobs)
Gross dimensions (W x H x D)MM	530 X 380 X 170
Net weight	6.6 kg
Gross weight	7.6 kg