Specifications

microzone
control amplifier

Amplifier	-	Class D Digital with EQ for Audica MICRO loudspeakers
Channels	-	2 x 25W into 4 Ohm per channel
		Switchable for stereo or 2 x mono
Modes	-	Switchable normal or slave operation
Controls	-	Standby
		Front volume with rear master level control
		Channel select
		Mute (-16dB)
		Line output channel selection (selected or input 2)
		Infrared remote control (volume, source select, mute)
Outputs	-	Screw clamp loudspeaker terminals
		Parallel stereo line out (fixed or variable)
		Stereo line out with EQ
		Mono sub out
Inputs	-	Input 1 - 3.5mm jack (front panel)
		Inputs 2 and 3 - stereo phono (rear panel)
Charging	-	USB on front
Dimensions (mm)	-	H 54 x W 225 (max) 198 (case) x D 122 (max)
Weight	-	1Kg

microplus
4-channel power amplifier

Voltage	-	100-120Va.c. or 220-240Va.c. (switch on rear)
Protection	-	Over-current (low impedance loads), short-circuit, over-temperature, input overload, anti-clipping limiter.
Display	-	LED bargraph showing input level, -18dB, -12dB, -6dB, -3dB, 0dB (0dB indicates limiter activation)
Cooling	-	Passively cooled by convection.
Dimensions (mm)	-	H 54 x W 225 (max) 198 (case) x D 251(max)
Weight	-	2.4Kg

		Normal Mode (per channel):	Bridge Mode (per pair of channels):
Programme power output	-	80W into 4 Ohm, 40W into 8 Ohm	160W into 8 Ohm
Sine wave r.m.s. power output	-	55W into 4 Ohm, 28W into 8 Ohm (restricted by limiter operation)	110W into 8 Ohm (restricted by limiter operation)
Peak power output	-	160W into 4 Ohm, 80W into 8 Ohm	320W into 8 Ohm
Gain	-	infinity to 28dB (adjustable on rear panel)	infinity to 34dB (adjustable on rear panel)
Frequency Response	-	<10Hz to 35kHz (-3dB), less than 1dB down @ 20kHz	<10Hz to 35kHz (-3dB), less than 1dB down @ 20kHz
Signal to Noise ratio	-	86dB (22Hz to 22kHz), 90dB (A-weighted)	86dB (22Hz to 22kHz), 90dB (A-weighted)
THD	-	<0.03% (at 1kHz and 25W), <1% (20Hz-20kHz) all output levels	<0.03% (at 1kHz and 50W), <1% (20Hz-20kHz) all output levels

microdot
ceiling loudspeaker

Drive units	-	1 x 50mm full range drive unit
Frequency	-	70Hz to 20kHz
Power Handling	-	25W
Impedance	-	8 Ohm
Dispersion	-	120 degrees x 120 degrees -3dB at 4kHz
Fixing	-	Integral spring clips, standard 85mm mini spotlight cut-out
Dimensions (mm)	-	H 130 x W 100 x D 100 (85mm cut-out)
Weight	-	0.5Kg

micropoint
compact loudspeaker

Drive units	-	1 x 50mm full range drive unit
		1 x 50mm low frequency drive unit
Frequency	-	70Hz to 20kHz
Power Handling	-	35W
Impedance	-	4 Ohm
Dispersion	-	120 degrees Horizontal x 60 degrees Vertical -6dB at 4kHz
Finish	-	Black or White
Fixing	-	Integral bracket allowing 360º rotation, 120º pan and 45º tilt
Dimensions (mm)	-	H 240 x W 80 x D 151 (including bracket)
Weight	-	1.2Kg

microline
column loudspeaker

Drive units	-	2 x 50mm full range drive units
		2 x 50mm low frequency drive units
Frequency	-	70Hz to 20kHz
Power Handling	-	50W
Impedance	-	8 Ohm
Dispersion	-	120 degrees Horizontal x 30 degrees Vertical -6dB at 4kHz
Finish	-	Black or White
Fixing	-	Integral bracket allowing 360º rotation, 120º pan and 27º tilt
Dimensions (mm)	-	H 378 x W 80 x D 151 (including bracket)
Weight	-	1.8Kg

microsub
bass loudspeaker

Drive units	-	1 x 200mm drive unit
Amplifier	-	100W
Frequency	-	40Hz to 200Hz
Controls	-	Volume
		Phase switch - zero and 180º
		Crossover frequency, variable 40Hz to bypass
Outputs	-	Phono line level
Inputs	-	Phono line level and binding post loudspeaker level
Voltage	-	Switchable 110/120V and 220/240V
Fixing	-	Free standing or wall or ceiling mountable
Dimensions (mm)	-	H 323 x W 228 x D 470 (including rear cover)
Weight	-	12Kg

AUDICA
microseries

Professional Product Brochure

AUDICA
microseries

microdot
ceiling loudspeaker

micropoint
compact loudspeaker

microline
column loudspeaker

Audica MICROseries - Style and Flexibility for Installed Sound Systems

Designed in Cambridge, England, Audica combines leading edge expertise in acoustic engineering and establishes new standards in discreet elegance, application flexibility and user-features for high fidelity installed sound. The Audica MICROseries is designed for background music systems in applications with moderate ambient noise levels such as restaurants, retail outlets, hotel public areas and general public spaces. In applications with little or no ambient sound level the MICROseries is ideal for AV systems in boardrooms, meeting facilities, museums, visitor centres and hotel bedrooms.

Traditional design of loudspeakers for these applications has either been large boxes that give full-range audio, but which are inherently less attractive or more visible, or sub-sat systems that use tiny satellite loudspeakers for mid/high frequencies and a subwoofer for mid/bass. The main problem with sub-sat systems in public spaces is that people are often listening close to thin sounding satellites with the mid/bass rumbling away in the distance, disconnected in bringing the critical mid-band together for audio quality.

With MICROseries we've designed the smallest possible loudspeakers to give high quality over a wide audio band so that, no matter where you are in the room, the sound from the main loudspeakers remains coherent and pleasing. For most applications no additional bass loudspeakers are required, whether you choose the MICROdot flush-mount or the MICROpoint and MICROline surface-mount models.

For applications requiring extended, higher level bass performance, such as an Audio-Visual system playing back film material, the MICROsub can be added and carefully tuned just to add extended bass and not confuse the mid-band.

With all of the MICROseries loudspeakers, aesthetics have been a prime consideration. This starts with the family look, which is softly shaped to merge into the environment. Secondly with the selection of materials, which have to be acoustically excellent but also provide for flexibility of design and quality of appearance. The MICROdot is a single-piece aluminium casting whilst the MICROpoint and MICROline use aluminium extrusions with moulded aluminium end-caps. Grilles are micro-perf steel for acoustic transparency with durability. The MICROsub is a more traditional construction but adds a full amp-panel cover to ensure it looks good from all angles and prevent access to controls and electrical connections. It also has a steel mesh grille under the aesthetic cloth cover.

Equally important for aesthetics, and speed and quality of installation, are the fixings and brackets. The MICROdot fits a standard 85mm diameter ceiling spotlight cut-out and is fitted with integral spring-clips. The MICROpoint and MICROline have a unique and secure integral bracket, merging the design of loudspeaker and bracket. Only the bracket needs to be fixed and connected during first-fix. Fitting the loudspeaker, with pre-wired cable management through the bracket, is then done as required and the position locking screw is hidden behind the loudspeaker grille. A high degree of tilt and pan are catered for, allowing for wall or ceiling mounting with the required angle of coverage. The MICROsub is also supplied with its own mounting bracket which allows flush mounting to walls or ceilings.

At the heart of the MICROseries range is the innovative MICROzone, a 5-configuration amplifier/controller that provides unequalled flexibility for a wide range of applications with single or multi-location input and control. Comprehensive switching functions enable the unit to be used singly and in multiples; as a complete system amplifier/controller; as an additional zone amplifier/controller; as a system master; as a slave amplifier (i) or as a system equaliser.

Comprehensive facilities on the MICROzone allow for: stereo or 2-channel mono operation (g); one 0.5V front panel stereo mini-jack input (f) for MP3 and PC connection plus 2 rear panel 1.0V RCA stereo inputs (l); a switch for common line feed through multiple units with the ability for alternative input selection on zones (h); fixed and variable line outputs (j)+(m) for master or independent level control of additional zone units; equalised line output (n) for using additional standard power amplifiers; front volume control (a) with master output level on rear (k) for applications where maximum levels need to be preset; IR control via the front panel or an optional RJ45 CAT5 remote IR sensor (p); mono sub output for feed to active sub-bass loudspeakers (o).

For applications, such as AV and hotel bedroom, where an MP3 player or similar may be used for long periods, the MICROzone also offers a front panel USB charge facility (e). The elegant aluminium stick IR remote controller supplied with the MICROzone duplicates the front panel controls of volume (a), mute (-16dB) (b) and source selection (c). In addition to manual standby (d) the MICROzone also features auto standby and start-up for non-managed applications and for reliability is fitted with clip limiting and total overdrive protection with auto-reset.

Larger applications are catered for by the MICROplus 4-channel straight gain amplifier, which is used in conjunction with the pre-amp and equalisation facilities of the MICROzone and provides four discrete channels of 80W at 4 Ohm. The head-unit design of the MICROzone and MICROplus allows combinations of units to be mounted in an optional 2U rack mount panel or they can be fitted into any flat surface, such as a lectern or other piece of furniture.

For single-zone or multi-zone applications, the Audica MICROseries offers a stylish and unique solution with real flexibility from a compact range of products, operating within the low impedance domain to give true hi-fi quality.
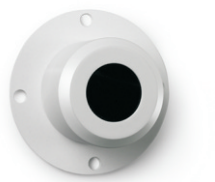
microzone
control amplifier

a b c d e f

Rear Panel

l m n p

IN — INPUT 2 INPUT 3 — LINE OUT NO EQ EQ — SUB OUT — REMOTE

15V DC — STEREO SELECTED SLAVE FIXED — LINE OUT SIGNAL — MASTER VOLUME — MONO INPUT 2 OFF VARIABLE — LINE OUT VOLUME (NO EQ)

AUDICA microzone — MODEL No. AU07 MZA SERIAL No. AUD7070650040B

g h i j k o

WMR Wall-mount remote

RIR Remote IR receiver

+ L − + R −

For larger systems, additional power can be added with the MICROplus 4-channel amplifier

microplus
4-channel power amplifier

AUDICA

channel 1 channel 2 channel 3 channel 4

microplus

MICROpoint and MICROline are supplied with an integral bracket enabling rotation, pan and tilt. The bracket can be installed and connected during first-fix without the loudspeaker in place; then when the loudspeaker is mounted the connections are made. The loudspeaker is positioned and fixed in place using just one bolt, which is hidden behind the grille. This enables a simple and quick installation and also a significant level of security for the speaker when in place.

Audica Professional manufactures a range of optional accessories for installing MICROseries systems, including solo and 19-inch rack mounting of MICROzone and MICROplus, spacers to provide greater tilt angles on MICROpoint and MICROline and a floor stand for the MICROpoint and MICROline. Please visit our website for further information.