



Australian Monitor Catalogue 2010

REVOLUTION SERIES DSP FROM AUSTRALIAN MONITOR

intuitive
flexible
simple



- ✓ Third party controllable via AMX, Crestron, GUI or Australian Monitor ICON CP Control Panel.
- ✓ Simple and easy to use software means no need for lengthy training courses.
- ✓ Cost-effective and extremely flexible.



AV Revolution DSP

A comprehensive DSP audio processing and routing solution for theatres, boardrooms and room-combining applications.

Zone Revolution DSP

Specifically designed for the bar and club market, the Zone Revolution is a complete DSP processing stereo source routing and paging solution.



Finally, someone is thinking of you.

Welcome to the Australian Monitor 2010 Catalogue

As one of the leading Audio Visual manufacturers in the world, Australian Monitor is proud of its move into the Digital Age. With the initial release of the Revolution Series DSP, followed closely by the AMD Series of intelligent Amplifiers, these developments stand us in good stead for the future.

With a new direction comes a new branding and "Integration Intelligence" is all about the blending of the Audio Visual and Digital realms. There is no doubt that the Australian Monitor of today is vastly different from where it humbly began over 35 years ago and we show no signs of slowing down.

Today, Australian Monitor is distributed in over 75 countries around the world and serviced by nine warehouses on four continents.

The Revolution, Innovation and AMD platforms provide endless opportunities for future developments of sophisticated products for the new age of AV Integrators. With new market opportunities evolving everyday, we are dedicated to providing innovative products to meet the demands of emerging AV technologies.

We look forward to the future with excitement and optimism, so together let's make the world sit up and listen.

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Unless otherwise specified, all products in this catalogue are available in the Asia Pacific Region including Australia and New Zealand.

AV REVOLUTION DSP

The AV Revolution Series from Australian Monitor has been over four years in development with our aim being to produce a DSP platform that is simple for the installer to set up and integrate. That was also intuitive and easy for an end user to control, and had the processing power and flexibility required for the vast array of applications facing today's audio contractor.

We also wanted to give the market all the peripherals needed for a simple and complete installation. Designed for all applications from boardrooms, lecture and training theatres through to room combining and hospitality applications, the AV Revolution combines cutting edge DSP processing power with simple and flexible design software and intuitive and easy to operate control options.

The AV Revolution boasts the comprehensive sound processing you have come to expect from a state of the art DSP processor, but is also very simple to set up and can be controlled via the end user GUI incorporated into the software suite, via a third party control system such as Crestron or via the beautifully designed and cost effective Australian Monitor ICON CP Control Panels. The AV Revolution represents a great step forward in DSP processing. Simple, Intuitive, Flexible.



REVOLUTION SERIES DSP

Finally, someone is thinking of you.



- » 3 stereo output zones
- » 2 mono output zones
- » 6 stereo line sources available to all 5 output zones
- » 4 mic/line switchable inputs available to all 5 output zones
- » Support for a range of remote control panels (RS485)
- » Ethernet control of audio parameters for third-party control system interfacing

- » 'Master Override' input (mic/line input 4) with logic triggering to override zone mixes
- » Ability for stereo zone outputs to be mono summed, allowing up to two uniquely processed outputs per zone
- » Various EQ, dynamics and delay processing on inputs and outputs
- » Simple setup using configuration software
- » Integrated user GUI
- » Front panel input/output signal present indication





1. The Revolution software incorporates a simple and intuitive end user Graphical User Interface (GUI).
2. Simple level control for all inputs and outputs per zone with level indication metering.
3. Preset recall and input and output mutes controllable
4. All level controls can have minimum and maximum levels governed from the designer page in software.
5. All designer features in software are password protected.

intuitive
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simple



AV Revolution Accessories ICON Control Panel (ICON CP)

The ICON Control Panel (ICON CP) can be integrated with the AV Revolution by simply setting a dip switch address and setting up the functionality required from a drop down menu. The ICON CP can control such functions as preset recall, input or output mute or unmute, or processor bypass. Connection is via CAT-5 cable and up to 240 can be used with one AV Revolution.



ZONE REVOLUTION DSP

The Australian Monitor Zone Revolution DSP has been designed as a stereo zoning solution to the bar/club market where reliability, flexibility and ease of operation for routing BGM sources and paging is paramount. With a combination of stereo and mono outputs it has the flexibility to handle most foreground/background processing applications.

Larger stereo installations can be achieved by linking two Zone revolutions for 6 stereo output zones (zones 1, 2, 4 and 5 all feature an additional mono output). The Zone Revolution has the comprehensive processing you would expect from a state of the art DSP processor.



REVOLUTION SERIES DSP

Finally, someone is thinking of you.



The Zone Revolution will also support the ICON CP Control Panels, which can be set to recall system presets, select sources or control zone or source volume as well as a host of other parameters that can be utilised remotely from the ICON CP Control Panels or via interfacing with a third party control system.

There is an optional CobraNet card available for the Zone Revolution for integration in larger articulated systems. The Zone Revolution is a comprehensive solution to the complex issues faced in bar and club installations, giving the hi-fidelity audio expected in these environments, but also offering control and paging through simple, flexible and intuitive user interfaces.





- » 3 stereo output zones
- » Additional sub/aux outputs on the first two stereo zones
- » 4 stereo BGM sources available to all three output zones
- » Ability for Stereo input 4 to have priority over all BGM sources ("jukebox" functionality)
- » 4 mic/line switchable inputs available to all three output zones
- » Support for up to two remote paging stations with the ability to page into any output zone at any time
- » Support for a range of remote control panels (RS485)

- » Ethernet control of all audio parameters for Crestron control system interfacing
- » Ability to link two Zone Revolutions to achieve six stereo output zones
- » "Master Override" input (mic/line input 4) with logic triggering to override zone mixes
- » Various levels of source priority and ducking
- » Ability for stereo zone outputs to be mono summed, allowing up to three uniquely processed outputs per zone
- » Various EQ, dynamics and delay processing on inputs and outputs



Zone Revolution Accessories ICON CP Control Panel (ICON CP)

The ICON CP Control Panel (ICON CP) can be integrated with the Zone Revolution by simply setting a dip switch address and setting up the functionality required from a drop down menu. The ICON CP can control such functions as preset recall, input or output mute or unmute, processor bypass, or BGM select. Connection is via CAT-5 cable and up to 240 can be used with one Zone Revolution.

ICON Paging Microphones

The ICON3 and ICON6 Paging Microphones are designed for Zone Revolution Series DSP products and allow multi-buss paging into a single Zone Revolution or expanded Zone Revolution systems.



AMD SERIES

The AMD Series of Mixer and Power Amplifiers from Australian Monitor represents a quantum leap forward in connectivity, controllability and flexibility in the constant voltage amplifier market.

The AMD Series allows a contractor to integrate a mixer amplifier or power amplifier to a third party control system, enable PC control, add an ICON CP Control Panel for remote audio control or simply use the AMD amplifiers as a standard Mixer Amplifier.

Add to this the power and flexibility of on board DSP processing (optional on the AMD power amplifiers) and you have EQ, dynamics, delay and level control all available to tailor your audio system to the most challenging acoustic environments, and deliver the highest possible sound quality for the end user.

Australian Monitor's AMD Series is the future of constant voltage amplification.

The AMD100 is a 1RU Mixer Amplifier that features 4 balanced Mic/Line level inputs each with 32VDC phantom power available and 4 dual RCA program source inputs. Delivering 100 Watts at 70 Volt, 100 Volt, 4 Ohm or 8 Ohm and with on board tones (Bell, Pre Announce, Alert and Evac), remote master VCA, Vox triggered relay output (assignable to any one or combination of mic/line ins), 24VDC back up power input and low power external switching, the AMD100 is a feature packed compact D class amplifier. Add to this the power of on board DSP processing, the connectivity of third party control via the RS485 port (which can support either the ICON CP Control Panel or allow connection to a third party control system) and a USB port for connection to a laptop for setup or for control and you will find the AMD Series will change the way contractors install constant voltage systems.

AUSTRALIAN MONITOR DIGITAL

The AMD100 and AMD200 – the future of constant voltage amplification.

AMD100 Digital Mixer Amplifier with DSP



Pre-configured format provides simple remote control via the ICON CP Control Panel

AMD100 and AMD200 features:

- » 1RU D Class
- » 20Hz – 20kHz frequency response
- » Constant Voltage or Low Impedance operation
- » Low power contact closure
- » DSP processing on board with parametric EQ, compressor, noise gate and high and low pass filters (optional on AMD power amplifiers)
- » Third party control via serial control, software GUI or via ICON Control Panels
- » Remote VCA master volume control
- » Mic/Line inputs have 32VDC
- » Universal power supply



Pre-configured format provides simple remote control via the ICON CP Control Panel



AMD200

Digital Mixer Amplifier with DSP

With an impressive 12 inputs the AMD200 will give installers untold flexibility in a 1RU mixer amplifier. Featuring 8 balanced Mic/Line level inputs (each with 32VDC phantom power) and 4 dual RCA program source inputs and delivering 200 Watts at 70 Volt, 100 Volt, 4 Ohm or 8 Ohm, on board tones (Bell, Pre Announce, Alert and Evac), remote master VCA, Vox triggered relay output (assignable to any one or combination of mic/line ins), 24VDC back up power input and low power state contact closure, the AMD200 has all the features of the smaller AMD100 compact D class amplifier. The AMD200 also boasts the power of on board DSP processing, the connectivity of third party control via the RS485 port (which can support either the ICON CP Control Panel or allow connection to a third party control system) and a USB port for connection to a laptop for setup or for control.



AUSTRALIAN MONITOR DIGITAL

AMD2100P & AMD2200P

The Australian Monitor AMD2100P and 2200P Dual Channel Power Amplifiers are a 1RU D class design delivering 100 Watts per channel and 200 Watts per channel respectively. With front panel signal presence and fault indication per channel, rear panel volume controls, remote VCA master control per channel, low power state contact closure and RS232 port for control via a third party control, the AMD2100P and AMD2200P are as feature packed as they are innovative. There will soon be optional DSP capability for the AMD power amplifiers so Level, Dynamics and EQ control are available if needed for the more acoustically challenging environments. These amplifiers will deliver 100 and 200 Watts per channel respectively into 100 Volt, 70 Volt or 4 Ohms.



AMD4100P & AMD4200P

For larger multi zone applications the AMD Series Power Amplifiers are also available in 4 channel versions. Delivering either 4 x 100 Watts from the AMD4100P and 4 x 200 Watts from the AMD4200P into 100 Volt, 70 Volt or 4 Ohms, these 4 channel D class amplifiers are still in a rack friendly 1RU chassis.

The Australian Monitor AMD4100P and AMD4200P feature front panel signal presence and fault indication per channel, rear panel volume controls, remote VCA master control per channel, low power state contact closure and RS232 port for control via a third party control. There will soon be optional DSP capability for the AMD power amplifiers so Level, Dynamics and EQ control are available if needed for more acoustically challenging environments.

AMD4100P



AUSTRALIAN MONITOR DIGITAL

AMD4200P



The AMD Series Power Amplifiers are as feature packed as they are innovative.

AMD2100P, AMD2200P, AMD4100P and AMD4200P features:

- » 1RU D Class
- » 20Hz – 20kHz frequency response
- » Constant voltage or Low impedance operation
- » Low power contact closure
- » Optional DSP processing on board with Parametric EQ, Compressor, Level control
- » Third party control via serial control
- » Remote VCA master volume control
- » Universal power supply