

PROFESSIONAL AUDIO ENGINEERING

AMPLIFIERS
AUDIO MATRICES
SOFTWARE
MIXERS

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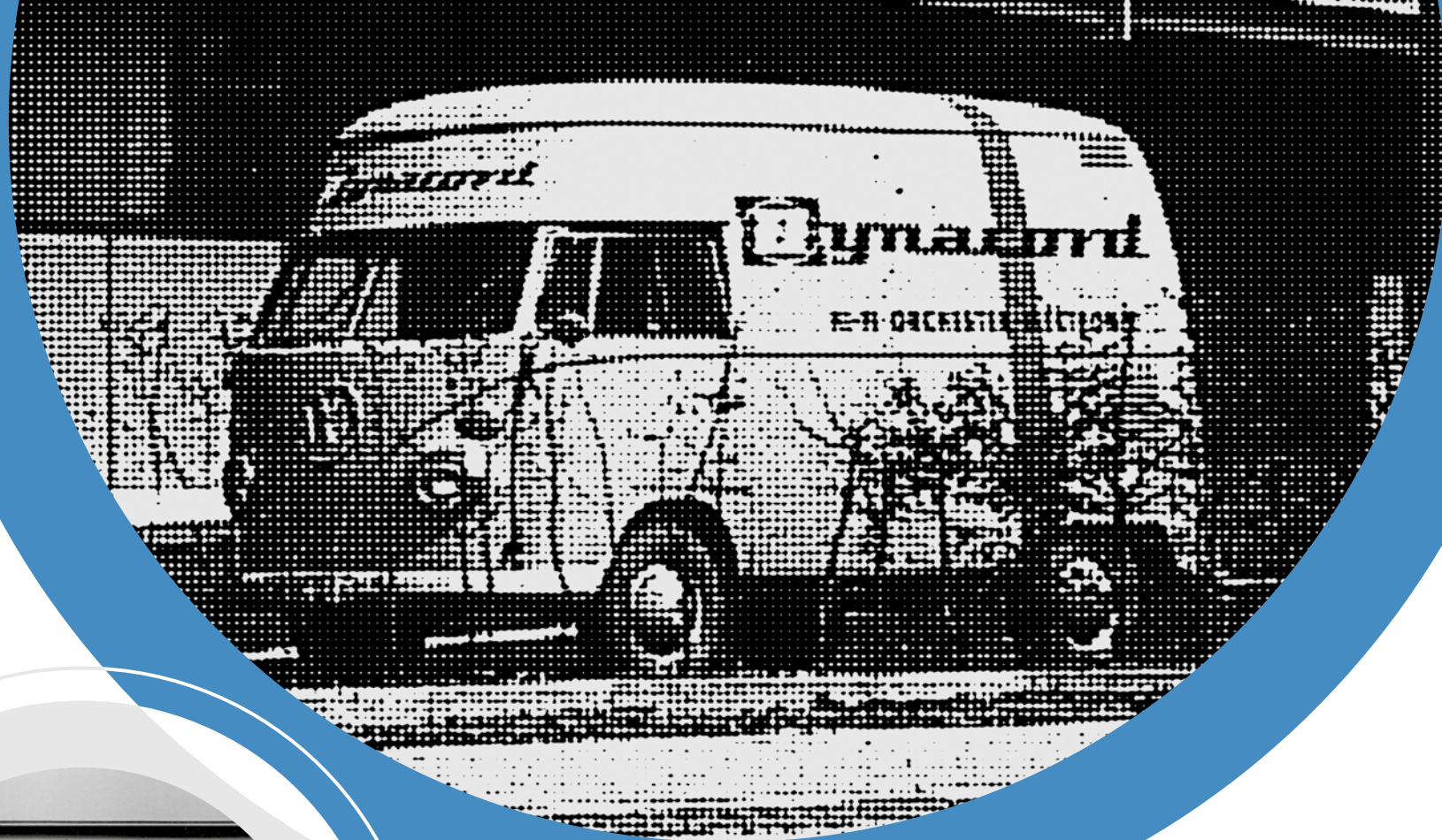
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DYNACORD

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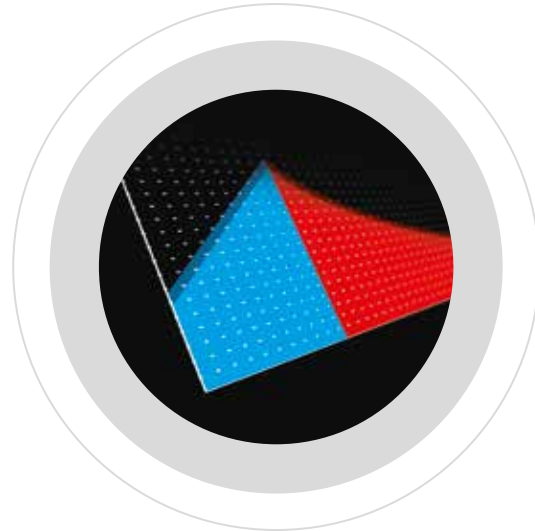
**sound quality
without
compromise
is in our dna**

FOR MORE THAN 70 YEARS, DYNACORD HAS DESIGNED AND ENGINEERED PROFESSIONAL AUDIO ELECTRONICS – PRODUCTS THAT OFFER UNPARALLELED PERFORMANCE AND PREMIUM QUALITY, THE PERFECT BALANCE OF POWER AND PRECISION.

We have a passion for providing world-class amplification and processing that we share with our users. Our engineering competence is second to none in the industry – sound quality without compromise is in our DNA and in every circuit we make. With each innovation we transfer generations of knowledge and experience, always pushing technology forward, always reinforcing our customers' trust.

We seek to surpass the highest standards of today's audio professionals, audiences and performers. Our industrial design combines finely tuned form with feature-rich functionality across every detail – clean lines and clean sound – and our dedication to durability is demonstrated in the industry's most rigorous product testing program. In applications where failure is not an option, you can rely on Dynacord to be heard loud and clear.





cycle by cycle current limiter

Continue to make sound

Maximizes reliability under all load conditions

Able to drive low impedance

variable load drive (vld)

Patented technology allowing optimal allocation of output power in multichannel amplifiers

Thanks to direct drive technology, combine Low-Z or High-Z 70V/100V loudspeakers using the same amplifier without the need of transformers

In low-z mode drive each channel with output power from 100W to the maximum amp output across the complete impedance range

FIR-Drive

FIR-Drive optimizes loudspeakers transducer linearity for precise, balanced sonic output

Advanced limiter algorithms offer independent peak and thermal transducer protection, even in most demanding applications

FIR filters available for a large range of portable and install loudspeakers



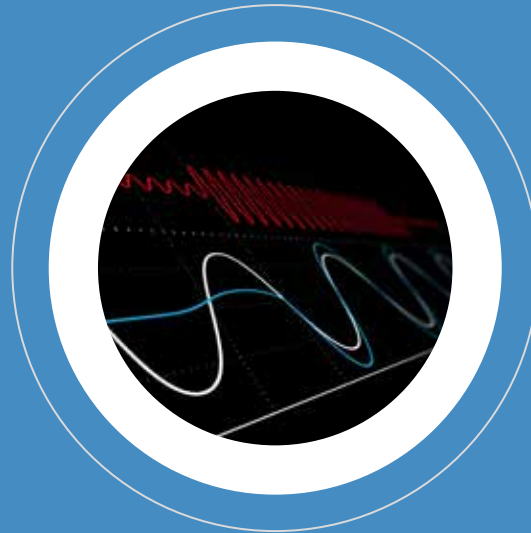
power factor correction

Maximizes output power and reduces idle power

Complete digital monitoring and control

Wide range input for maximum flexibility

Highest reliability thanks to Dynacord's protection algorithms

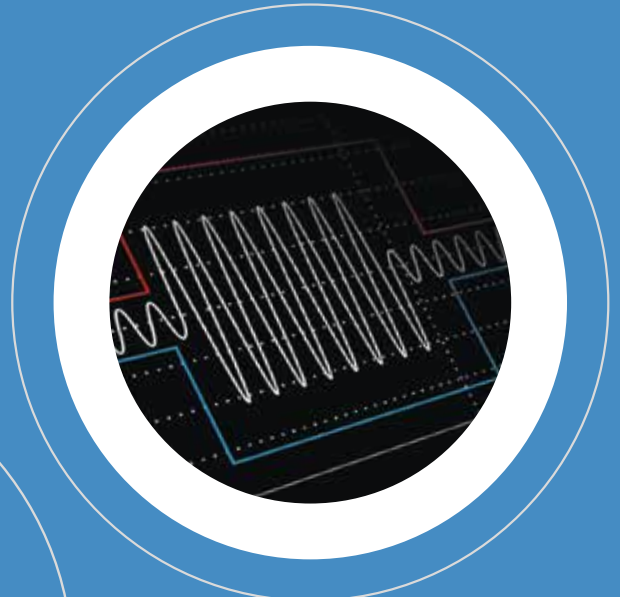
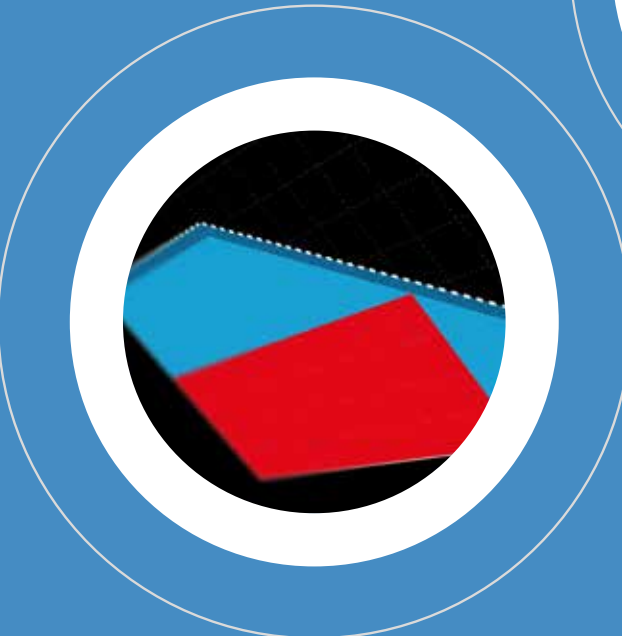


junction temperature modelling

Component overheat protection by constant temperature modelling

Ensures maximum output power

Provides highest operational reliability



eco rail technology

Reduces standby losses to a minimum

All monitoring functions are maintained

No transient currents or distortions during switching

Fully automatized – no user interaction needed



Fixed Install Amplifiers

Built to thrive in the most demanding conditions, Dynacord amplifiers for permanent installation are trusted worldwide to deliver faultless results, round-the-clock, year after year. With intelligent system integration plus remote control and supervision software, Dynacord amps are driven by experience.



Series	PCL	DSA (2-channel)	C Series	DSA (4-/8-channel)	IPX
APPLICATION	Install	Install	Install	Install	Install
IN-/OUTPUT CONNECTORS	Euroblock	Euroblock	Euroblock	Euroblock	Euroblock
AMPLIFIER CHANNELS	1,2,4	2	2	4,8	4,8
MAX OUTPUT POWER PER CHANNEL (IHF-A) @4OHM	200-560 W 	660-1800 W 	660-1800 W 	500-1000 W 	1250-5000 W
70/100 V	☑	-	☑	☑	☑
DIGITAL SIGNAL PROCESSING	-	-	☑	-	☑☑
SYSTEM REMOTE CONTROL	-	☑ *	☑	☑ *	☑
OMNEO (DANTE & OCA)	-	-	-	-	☑
CONTROL PORT (GPIO)	-	☑	☑	☑	☑
WARRANTY			3 years		5 years

* optional with accessories



IPX Series

THE MULTI-CHANNEL IPX 5:4, 10:4, 10:8 AND 20:4 POWER AMPLIFIERS MARK AN UNPRECEDENTED STANDARD FOR SOUND SYSTEM AMPLIFICATION IN MID TO LARGE-SIZED PERMANENT INSTALLATIONS.

The high-performance amplifiers offer seemingly unlimited power and pristine audio quality. IPX series multi-channel power amplifiers are featuring OMNEO IP networking architecture and groundbreaking audio performance. They embody several proprietary amplifier technologies developed by Dynacord engineers and Dynacord's reknown Variable Load Drive (VLD).

Software

IPX amplifiers have integrated OMNEO networking (Dante audio and OCA/AES70 control) and can be configured, controlled and operated from both IRIS-Net as well as SONICUE sound system software

Main Features

Three 4-channel models and one 8-channel model, offering a power density of 5 kW, 10 kW and even 20 kW from a single amplifier with all channels driven

Advanced 96 kHz high-resolution digital signal processing for the highest performance, internal analog-to-digital conversion with ultra-low latency, and a superior signal-to-noise ratio

Eco Rail technology developed by Dynacord helps to reduce overall power consumption up to 50 %

VLD technology as well as the newly developed parallel and parallel-bridged operation modes. VLD technology allows the available output power of e.g. 1,250 watts per channel to be used at either 4 or 8 Ohms, or via 70 V or 100 V lines in direct drive



	IPX5:4	IPX10:4	IPX10:8	IPX20:4
CHANNELS	4	4	8	4
MAX OUTPUT POWER PER CHANNEL (IH-F-A) @4OHM*	1250 W	2500 W	1250 W	5000 W
BRIDGING / PARALLEL	☑/☑	☑/☑	☑/☑	-/☑
70/100/140**/200** V OUTPUT POWER	1250 / 1250 / 2500 / 2500 W	2500 / 2500 / 5000 / 5000 W	1250 / 1250 / 2500 / 2500 W	3550 / 5000 / 5000 W / -
SIGNAL TO NOISE RATIO (A-WEIGHTED)	115 dB	115 dB	115 dB	118 dB
AUDIO INPUT	analog (Euroblock), Dante			
SAMPLING RATE	96 / 48 kHz switchable			
DIGITAL SIGNAL PROCESSING	User-EQ: 12 filters per channel, selectable as PEQ, Lo-Shelv, Hi-Shelv, Lo-ShelvQ, Hi-ShelvQ, Hi-Pass, Lo-Pass and Notch; 2 filters of them with additional asymmetric filter type User Delay: 0 to 2000 ms per channel (units: µs, ms, s, cm, m, inches, feet) Array EQ: 5 filters per channel, selectable as PEQ, Lo-Shelv, Hi-Shelv, Lo-ShelvQ, Hi-ShelvQ, Hi-Pass, Lo-Pass, and All-Pass Array Delay: 0 to 500 ms per channel (units: µs, ms, s, cm, m, inches, feet) Speaker EQ: 10 filters per channel, selectable as PEQ, Lo-Shelv, Hi-Shelv, Hi-Pass, Lo-Pass, and All-Pass Speaker X-Over: Hi-Pass and Lo-Pass per channel, 6/12/18/24/30/36/42/48 dB Bessel/Butterworth, 12/24/48 dB Linkwitz-Riley; Alignment Delay, 0 to 20 ms per channel Speaker FIR: up to 1025 taps, Linear Phase Filter, Linear Phase Brickwall X-Over Speaker Limiters: Peak Anticipation Limiter and RMS/TEMP Limiter per channel Other: Source Selection and Mix, Level, Mute, Polarity, Sine and Noise Generator, Level Meters, Impedance Measurement, and Load Monitoring			
PROTECTION	Audio Limiters, High Temperature, DC, HF, Short Circuit, Back-EMF, Peak Current Limiters, Inrush Current Limiters, Turn-on Delay, Mains Circuit Breaker Protection, Mains Over-/Undervoltage Protection			
CONTROL PORTS (GPIO) IN / OUT	3			
SYSTEM REMOTE CONTROL	SONICUE, IRIS-Net (Dante, OCA/AES70), plug-in for Q-Sys			
WEIGHT [KG]	14,3	15	16,8	18,3
DIMENSIONS (WXHxD) [MM]	483 x 88.1 x 514.2			
ARTICLE CODE	IPX 5:4	IPX 10:4	IPX 10:8	IPX 20:4
ACCESSORIES	PD32-EU Power distro 3x32A, PCO32A16-EU Power cord 2m, PCO32A16-UK Power cord 2m, DC-RMK15 RMK-15 rack mount kit			

* all channels driven ** bridge mode

DSA Series 4-/8-channel

THE MULTI-CHANNEL DSA 8405 / 8410 / 8805 POWER AMPLIFIERS: HIGH OUTPUT 4- AND 8-CHANNEL AMPLIFIERS WITH VARIABLE LOAD DRIVE (VLD).

The possibility to individually switch the operation mode of each power amplifier channel makes DSA multi-channel power amps particularly flexible in use. The user can configure these amplifiers under IRIS-Net using the Variable Load Drive (VLD) to provide any output power in the range of 100 W to 500/1000 W per channel. This and further remote-supervision and – control possibilities and integration into IRIS-Net networks, are enabled by the optional remote control module RCM-810.

Software

IRIS-Net allows complete audio systems with a multitude of similar or different devices to be configured, supervised and controlled centrally from a single user interface



Main Features

Variable Load Drive (with RCM810) enables each channel to define freely which output power should be made available in each channel at 4Ω, 8Ω or 70V or 100V without an output transformer

Comprehensive protection system includes circuitry against overheating, overload, short circuit, HF and DC

Soft start circuit compensates mains inrush current peaks and thus prevents triggering AC mains fuse when switching on the amplifier

Loudspeakers are protected by Turn-on Delay

Optional RCM-810 Remote Control Module allows supervision of the amplifier and connected loudspeakers via IRIS-Net software



CHANNELS

MAX OUTPUT POWER PER CHANNEL (1 KHZ, THD=1% @4/8OHM)

BRIDGING / PARALLEL

70 / 100 V OUTPUT POWER

SIGNAL TO NOISE RATIO (A-WEIGHTED)

AUDIO INPUT

PROTECTION

CONTROL PORTS (GPIO) IN/OUT

SYSTEM REMOTE CONTROL

WEIGHT [KG]

DIMENSIONS (WXHxD) [MM]

ARTICLE CODE

ACCESSORIES

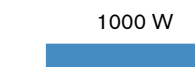
DSA 8405

DSA 8410

DSA 8805

4

8



☒/-

☒/-

☒/-

500 / 500 W

1000 / 1000 W

500 / 500 W

100 dB

103 dB

100 dB

analog, Euroblock

Audio Limiters, High Temperature, DC, HF, Short Circuit, Peak Current Limiters, Inrush Current Limiters, Turn-on Delay, Mains Circuit Breaker Protection, Mains Over-/Undervoltage Protection

2 / 4 *

IRIS-Net *



483 x 88.1 x 420.8

DC-DSA8405

DC-DSA8410

DC-DSA8805

RCM-810 Remote Control & Supervision Module

* with optional RCM-810

C Series

EQUIPPED WITH AN EXTREMELY ROBUST POWER SUPPLY AND A POWERFUL, LINEAR AMP DESIGN, FLAWLESS OPERATION IS GUARANTEED.

A sophisticated protection circuitry ensures safe, reliable operation under all conditions. All 4 models are also suitable for direct drive applications with 70V/100V speaker lines, providing high flexibility for a variety of install scenarios. In addition, the amplifiers feature Euro block connectors for convenient wiring, remote power-on delay, and GPIOs to interface with third-party controls. The onboard DSP allows multi-band PEQ, crossovers, limiting and delay per channel as well as channel grouping.

Software

Systems with up to eight amplifiers can be configured, tuned and supervised with MARC (Multi Amplifier Remote Control) Software. The firmware 2upgrade (free download) enhances the DSP structure with more EQs and array processing and allows the entire operation via the new SONICUE Sound System Software. SONICUE brings a new way of working with an intuitive, guided workflow, operation from speaker view and various loudspeaker databases



Main Features

On-board DSP includes multi-band PEQs, crossovers, limiters and delay per channel; True channel grouping control with extra DSP capabilities including GEQ

FIR-Drive combines technologies to create a sophisticated loudspeaker correction and protection system yielding a level of unparalleled performance

Intuitive, powerful control software makes configuration and real time control easy – up to 16 amp channels can be controlled and monitored simultaneously

Efficient standby power mode reduces running costs and power consumption by up to 90%, leading to a very low total cost of ownership



C1300FDi

C1800FDi

C2800FDi

C3600FDi

CHANNELS

2

MAX OUTPUT POWER PER CHANNEL (IHF-A) @4OHM

660 W

950 W

1400 W

1800 W

BRIDGING / PARALLEL

⊘ / -

⊘ / -

⊘ / -

⊘ / -

70/100 V OUTPUT POWER*

70 V: 1 x 625 W

70 V: 2 x 1250 W (-1.5 dB)
100 V: 1 x 1250 W (-1.5 dB)

70 V: 2 x 1250 W
100 V: 1 x 1250 W
100 V: 2 x 2500 W @ (-3 dB)

100 V: 2 x 2500 W (-1.5 dB)

SIGNAL TO NOISE RATIO (A-WEIGHTED)

>104 dB

>105 dB

>107 dB

>109 dB

AUDIO INPUT

analog, Euroblock

DIGITAL SIGNAL PROCESSING

FIR Filters, Audio Limiters, Output delay per channel, 31 band GEQ per channel, PEQ per channel, Load impedance

PROTECTION

Audio limiters, high temperature, DC, HF, Back-EMF, Peak current, limiters, Inrush current limiters, Turn-on Delay

CONTROL PORTS (GPIO) IN/OUT

2 / 1

SYSTEM REMOTE CONTROL

SONICUE, MARC

WEIGHT [KG]

12,9

15,2

16,2

18,2

DIMENSIONS (WXHXD) [MM]

483 x 88 x 462.4

ARTICLE CODE

C 1300FDi-EU

C 1800FDi-EU

C 2800FDi-EU

C 3600FDi-EU

ACCESSORIES

RMK15 (rear rack mount kit)

* direct drive load capability

DSA Series 2-channel

DSA POWER AMPLIFIERS OFFER HIGH, STABLE OUTPUT WITH HIGH EFFICIENCY AT A HIGH PERFORMANCE LEVEL: THE IDEAL CHOICE FOR TYPICAL FIXED INSTALLATION APPLICATIONS.

The connectivity consequently provides Euroblock type in/outs, the input level controls are located on the rear panel, also a switchable high-pass filter (50 Hz, 18 dB/oct) and a Ground Lift switch. The POWER REMOTE connector makes the task of remote controlling the power amplifier as well as switching it on and off simple. For further remote-supervision and – control possibilities and integration into IRIS-Net networks, an optional remote control module (RCM-810) is available.

Software

IRIS-Net allows complete audio systems with a multitude of similar or different devices to be configured, supervised and controlled centrally from a single user interface



Main Features

Comprehensive protection system includes circuitry against overheating, overload, short circuit, HF and DC

Soft start circuit compensates mains inrush current peaks and thus prevents triggering AC mains fuse when switching on the amplifier

Loudspeakers are protected by Turn-on-Delay relays

Using an optional RCM-810 Remote Control Module allows supervision of the amplifier and connected loudspeakers via IRIS-Net software



CHANNELS

2

MAX OUTPUT POWER PER CHANNEL (IHF-A) @4OHM

660 W

950 W

1400 W

1800 W

BRIDGING / PARALLEL

☑ / -

☑ / -

☑ / -

☑ / -

SIGNAL TO NOISE RATIO (A-WEIGHTED)

> 106 dB

> 107 dB

> 109 dB

> 110 dB

AUDIO INPUT

analog, Euroblock

PROTECTION

Audio limiters, High temperature, DC, HF, Back-EMF, Peak current limiters, Inrush current limiters, Turn-on Delay

CONTROL PORTS (GPIO) IN / OUT

2 / 4 *

SYSTEM REMOTE CONTROL

IRIS-Net *

WEIGHT [KG]

12

14,8

16,3

17,7

DIMENSIONS (WXHxD) [MM]

483 x 88.1 x 421.5

ARTICLE CODE

DC-DSA8204

DC-DSA8206

DC-DSA8209

DC-DSA8212

ACCESSORIES

RCM-810 Remote Control & supervision Module
RMK15 (rear rack mount kit)

* with optional RCM-810



PCL Series

THE PCL SERIES POWER AMPLIFIER LINE COMBINES QUALITY AUDIO PERFORMANCE WITH RELIABILITY AND SECURE OPERATIONAL SAFETY

All models in the PCL series provide several protection circuits which not only prevent the power amplifier itself but also the connected loudspeaker systems from being damaged. All PCL series power amps feature different hi-pass filters with switch selectable cut-off frequency to attenuate unwanted low-frequency signals. PCL series "T" version models for 70V and 100V installations.

Main Features

Dynamic Audio Limiters, Inrush Current Limiter, Short Circuit Protection and Thermal Overload Protection

PCL series "T" version models are equipped with high performance output transformers also provide floating outputs for 70V and 100V installations. These models also provide voltage limiters to protect the loudspeaker outputs against overvoltage

Euroblock screw-lock connectors prevent accidental disconnection resulting in a more secure connection of audio signal and speaker cables



	PCL 1245	PCL 1415	PCL 1240T	PCL 1225T	PCL 1125T
CHANNELS	2	4	2	2	1
MAX OUTPUT POWER PER CHANNEL (HF-A) @4OHM	560 W	200 W	520 W	320 W	-
BRIDGING / PARALLEL	⊘ / -	⊘ / -	⊘ / -	⊘ / -	- / -
70/100 V OUTPUT POWER	-	-	500 / 520 W	290 / 300 W	290 / 290 W
SIGNAL TO NOISE RATIO (A-WEIGHTED)	104 dB	101 dB	103 dB	103 dB	103 dB
AUDIO INPUT	analog, Euroblock				
PROTECTION	Audio Limiters, high temperature, peak current limiters, Turn-on Delay				
WEIGHT [KG]	16,5	18	26	23,5	16,5
DIMENSIONS (WXHxD) [MM]	483 x 88 x 405				
ARTICLE CODE	PCL 1245 / 230V	PCL 1415 / 230V	PCL 1240T / 230V	PCL 1225T / 230V	PCL 1125T / 230V



Live Performance Amplifiers

Built for the rigors of the road and ready to deliver the ultimate combination of audio quality and extraordinary power output, Dynacord amplifiers for live sound will ensure the show always goes on. With audio networking for touring systems and larger shows, plus the ease of use that ensures smaller productions are effortless, Dynacord amps are driven by experience.



Series	SL Series	L Series	TGX Series
APPLICATION	Live	Live	Live
IN-/OUTPUT CONNECTORS	NL4, XLR	NL4, XLR	NL4, XLR
AMPLIFIER CHANNELS	2	2	4
MAX OUTPUT POWER PER CHANNEL (IHF-A) @4OHM	660-1800 W 	660-1800 W 	2500-5000 W
DIGITAL SIGNAL PROCESSING	-		
SYSTEM REMOTE CONTROL	-		
OMNEO (DANTE & OCA)	-	-	
WARRANTY	3 years	3 years	5 years

TGX Series

TGX 4-CHANNEL LIVE SOUND AMPLIFIERS FROM DYNACORD ARE ONE OF THE MOST POWERFUL ON THE MARKET AND REPRESENT THE PINNACLE OF PRO AUDIO ELECTRONICS ENGINEERING.

Along with unprecedented power density, they offer Dynacord's signature audio quality, advanced reliability and power efficiency. Engineered and manufactured in Germany, TGX amplifiers are built as the ultimate amplification solution for large-scale live performance sound applications. They embody several proprietary amplifier technologies developed by Dynacord engineering, one of the most experienced R&D teams in the audio industry.

A preconfigured System rack is available, including three TGX20 DSP amplifiers, power distribution, input and output interfaces and network redundancy.



Main Features

- Market leading power density with 20kW in 2RU
- Tour-grade 96 kHz DSP includes multi-band PEQs, crossovers, limiters and delay per channel
- FIR-Drive and speaker preset library on board yield a level of unparalleled audio quality
- Integrated networking with proven Dante Audio and OCA / AES 70 remote control
- Reliable voltage handling
- Uncompromising stability down to 2 ohms



	TGX10	TGX20	SR-TGX 20*
CHANNELS	4	4	12
MAX OUTPUT POWER PER CHANNEL (IHF-A) @4OHM	2500 W	5000 W	5000 W
SIGNAL TO NOISE RATIO (A-WEIGHTED)	115 dB	118 dB	118 dB
AUDIO INPUT	analog (XLR / NL), AES, Dante		
SAMPLING RATE	96 / 48 kHz switchable		
DIGITAL SIGNAL PROCESSING	User-EQ: 12 filters per channel, selectable as PEQ, Lo-Shelv, Hi-Shelv, Lo-ShelvQ, Hi-ShelvQ, Hi-Pass, Lo-Pass and Notch; 2 filters of them with additional asymmetric filter type User Delay: 0 to 2000 ms per channel (units: μs, ms, s, cm, m, inches, feet) Array EQ: 5 filters per channel, selectable as PEQ, Lo-Shelv, Hi-Shelv, Lo-ShelvQ, Hi-ShelvQ, Hi-Pass, Lo-Pass, and All-Pass Array Delay: 0 to 500 ms per channel (units: μs, ms, s, cm, m, inches, feet) Speaker EQ: 10 filters per channel, selectable as PEQ, Lo-Shelv, Hi-Shelv, Hi-Pass, Lo-Pass, and All-Pass Speaker X-Over: Hi-Pass and Lo-Pass per channel, 6/12/18/24/30/36/42/48 dB Bessel/Butterworth, 12/24/48 dB Linkwitz-Riley; Alignment Delay, 0 to 20 ms per channel Speaker FIR: up to 1025 taps, Linear Phase Filter, Linear Phase Brickwall X-Over Speaker Limiters: Peak Anticipation Limiter and RMS/TEMP Limiter per channel Other: Source Selection and Mix, Level, Mute, Polarity, Sine and Noise Generator, Level Meters, Impedance Measurement, and Load Monitoring		
PROTECTION	Audio Limiters, High Temperature, DC, HF, Short Circuit, Back-EMF, Peak Current Limiters, Inrush Current Limiters, Turn-on Delay, Mains Circuit Breaker Protection, Mains Over-/Undervoltage Protection		
SYSTEM REMOTE CONTROL	SONICUE, IRIS-Net (Dante, OCA/AES70)		
WEIGHT [KG]	15	18,3	123,7
DIMENSIONS (WXHxD) [MM]	483 x 88,1 x 514,2		60 x 71,8 x 65,5
ARTICLE CODE	TGX10	TGX20	SR20TGX
ACCESSORIES	PD32-EU Power distro 3x32A / PCO32A16-EU Power cord 2m / PCO32A16-UK Power cord 2m / DC-RMK15 RMK-15 rack mount kit accessories NOT for the rack, only for the amps		

* 3 amplifiers are mounted in the rack including switches and connection panel

L Series

L SERIES POWER AMPLIFIERS PROVIDE A BEST-IN-CLASS, TOUR-GRADE FEATURE SET THAT BRINGS REAL PROFESSIONAL PERFORMANCE TO A NEW, MORE ACCESSIBLE PRICE POINT.

Like all Dynacord amplifiers, the L Series offers high-quality components and truly professional processing power and performance characteristics. Its engineering and applied technologies enable exceptional sound quality with plenty of headroom. Equipped with an extremely robust power supply and a powerful linear amp design, flawless operation is guaranteed – even in the most demanding environments. A sophisticated protection circuit ensures safe, reliable operation under all conditions.

Software

Systems with up to eight amplifiers can be configured, tuned and supervised with MARC (Multi Amplifier Remote Control) Software. The firmware 2upgrade (free download) enhances the DSP structure with more EQs and array processing and allows the entire operation via the new SONICUE Sound System Software. SONICUE brings a new way of working with an intuitive, guided workflow, operation from speaker view and various loudspeaker databases.



Main Features

On-board DSP includes multi-band PEQs, crossovers, limiters and delay per channel; True channel grouping control with extra DSP capabilities including GEQ

FIR-Drive combines technologies to create a sophisticated loudspeaker correction and protection system yielding a level of unparalleled performance

Intuitive, powerful control software makes configuration and real time control easy – up to 16 amp channels can be controlled and monitored simultaneously

High-performance bulletproof voltage handling

Engineered for constant stability at 2 ohms



	L1300FD	L1800FD	L2800FD	L3600FD
CHANNELS	2			
MAX OUTPUT POWER PER CHANNEL (IHF-A) @4OHM	660 W	950 W	1400 W	1800 W
BRIDGING / PARALLEL	☑ / -	☑ / -	☑ / -	☑ / -
SIGNAL TO NOISE RATIO (A-WEIGHTED)	>104 dB	>105 dB	>107 dB	>109 dB
AUDIO INPUT	analog, XLR			
SAMPLING RATE	48 kHz			
DIGITAL SIGNAL PROCESSING	FIR Filters, Audio Limiters, Output delay per channel, 31 band GEQ per channel, PEQ per channel, Load impedance			
PROTECTION	Audio limiters, high temperature, DC, HF, Back-EMF, Peak current, limiters, Inrush current limiters, Turn-on Delay			
SYSTEM REMOTE CONTROL	SONICUE, MARC			
WEIGHT [KG]	12,9	15,2	16,2	18,2
DIMENSIONS (WXHxD) [MM]	483 x 88 x 462.4			
ARTICLE CODE	L1300FD-EU	L1800FD-EU	L2800FD-EU	L3600FD-EU
ACCESSORIES	RMK15 (rear rack mount kit)			



SL Series

A SOLID WORKHORSE OFFERING HIGH, STABLE POWER OUTPUT AND A HIGH EFFICIENCY ON THE HIGH PERFORMANCE LEVEL: THE IDEAL CHOICE FOR DRIVING A MULTITUDE OF MOBILE SYSTEMS.

SL series power amplifiers are equipped with a comprehensive protection package and dynamic limiters. The integrated, switchable Low-Pass Notch filter (a typical DYNACORD special feature) corrects the frequency response and optimizes the transient behavior of loudspeakers.

Main Features

Straightforward setup and configuration makes these a plug and play live sound amplifier

Comprehensive protection system – protection against overheating, overload, short circuit, HF and DC

Patented LPN filter – switchable frequency and phase response correction of connected loudspeakers



	SL 900	SL 1200	SL 1800	SL 2400
CHANNELS	2			
MAX OUTPUT POWER PER CHANNEL (IHF-A) @4OHM	660 W	950 W	1400 W	1800 W
BRIDGING / PARALLEL	☑ / -	☑ / -	☑ / -	☑ / -
SIGNAL TO NOISE RATIO (A-WEIGHTED)	>104 dB	>105 dB	>107 dB	>109 dB
AUDIO INPUT	analog, XLR			
SAMPLING RATE	48 kHz			
PROTECTION	Audio limiters, High temperature, DC, HF, Back-EMF, Peak current limiters, Inrush current limiters, Turn-on Delay			
WEIGHT [KG]	12,6	14,6	16,3	17,7
DIMENSIONS (WXHxD) [MM]	483 x 88.1 x 421.5			
ARTICLE CODE	DC-SL900	DC-SL1200	DC-SL1800	DC-SL2400
ACCESSORIES	RMK15 (rear rack mount kit)			

Audio Matrices

Integration, Flexibility and Performance

Dynacord audio matrices are equipped with the most advanced DSP, offering comprehensive supervision and system control. Designed for fixed installation and live sound applications, Dynacord audio matrices support networked, IP-based processing and Dante audio. Dynacord's applied technologies ensure superior sound quality with ultra-low latency for a flawless, uninterrupted audio performance – even under most demanding conditions.



MXE5

APPLICATION

Install / Live

IN-/OUTPUT CONNECTORS

Euroblock

MATRIX SIZE

24 x 24

SYSTEM REMOTE CONTROL

SONICUE (OCA/AES70)

AUDIO INPUTS / OUTPUTS

12 mic line / 8 line, 24/24 Dante

NETWORKED AUDIO

OMNEO, Dante (AES67)

WARRANTY

3 years



P 64

Install

Euroblock

32 x 32

IRIS-Net via CAN-Bus or Ethernet

modular in blocks of 8 channels

Cobranet, Dante

3 years



MXE5

THE MXE5 IS THE FIRST MEMBER OF THE MXE MATRIX MIX ENGINE SERIES. THE 24 X 24 CROSSPOINT PERFORMANCE AUDIO MATRIX OFFERS BOTH ROUTING AND MIXING FUNCTIONALITIES, WITH 12 ANALOG MIC/LINE INPUTS AND EIGHT LINE OUTPUTS.

At the same time, the MXE5 serves as a communications hub for all IP-based peripherals and provides comprehensive supervision of all system-wide commands. Thanks to SONICUE, the MXE5 can be assigned with personalization features, rights management and GPIO configuration. The optional TPC-1 touch panel controller has a low-profile form factor and features a 5.7" HD display.

Software

The MXE5 integrates completely with Dynacord's SONICUE sound system software, one of the most powerful software interfaces in the industry, offering comprehensive control and easy, intuitive operation.

Main Features

Delivering the highest audio quality

The MXE5 benefits from advanced DSP, providing outstanding audio quality and dynamic range. This is ensured by a sampling rate of 96 kHz and the industry's lowest audio latency of less than 0.22 ms.

Ready for a wide range of applications

The MXE5 is designed for consultants, production companies, specifiers and system integrators who demand the highest-quality BGM and uncompromising live performance sound.

Made for mixing and routing

The MXE5 offers a variety of functions beyond being a powerful crosspoint matrix; it also works as both a system manager and an OCA controller with complete monitoring and supervision abilities.



MXE5

MATRIX SIZE	24 x 24
AUDIO INPUTS / OUTPUTS ANALOG	12 mic/line, 8
AUDIO INPUTS / OUTPUTS DIGITAL	24 OMNEO / Dante
SIGNAL TO NOISE RATIO (A-WEIGHTED)	>118 dB
THD+N (1DB BELOW MAX. @ 1 KHZ)	< 0.0002 %
SAMPLING RATE	48 kHz / 96 kHz
DIGITAL SIGNAL PROCESSING	32/40 bit, floating point
SIGNAL LATENCY ANALOG IN TO OUT	< 0.45 ms (48 kHz), < 0.22 ms (96 kHz)
REMOTE CONTROL SOFTWARE	SONICUE Sound System Software
SAFETY/REDUNDANCY	Internal supervision, system monitoring, watch dog, fault output, redundant audio network supported
CONTROL PORTS	8 GPIO (digital in/out, analog in) Ready/Fault
WEIGHT	6.0 kg / 13.2 lbs
DIMENSIONS (WXHxD)	483 x 43.5 x 471 mm (19", 1 RU)
ARTICLE CODE	MXE5
ACCESSORIES	TPC-1, Touch Panel Controller 5.7"; CP-MXE connector panel (XLR) for MXE

P 64

THE P 64 DIGITAL AUDIO MATRIX MANAGER IS A MODULAR, NETWORK-COMPATIBLE AND FREELY CONFIGURABLE AUDIO SYSTEM CONTROLLER THAT ALLOWS DESIGNING COMPLETE SYSTEM SOLUTIONS.

In the DSP, any structures with up to 32 audio channels are freely configurable. This is possible by the wide variety of different DSP blocks available, such as mixer, matrix, dynamics, crossover, EQ, and even FIR filters. The processing power of the DSP can be further increased with extension cards and several P 64 devices can be interconnected via a CobraNet network, which allows operation and supervision of even the largest decentralized audio systems.

Software

IRIS-Net allows complete audio systems with a multitude of similar or different devices to be configured, supervised and controlled centrally from a single user interface



Main Features

Expandable DSP processing power up to 1800 MIPS

4 audio slots per P64 can be equipped with 8 channel audio input or output-cards to meet customized requirements

The P 64 includes integrated selfmonitoring and supports spare/ redundancy concepts in security-relevant systems. Complete recall of stored parameters and configurations is possible



P 64

CHANNELS	32 x 32
SIGNAL TO NOISE RATIO (A-WEIGHTED)	> 115 dB
AUDIO INPUT / OUTPUT	modular: analog mic/line, AES3, Dante
SAMPLING RATE	48 kHz
DIGITAL SIGNAL PROCESSING	Free configurable auto-compiling DSP engine with up to 1800 MIPS processing power [2 DSPs Standard (150 MHz, 300 MIPS), 1 DSP per Audio Module (100 MHz, 100 MIPS), optional DSP-1 Extension Module (+300 MIPS), or optional DSP-2 Extension Module (+1500MIPS). Large range of DSP filters, EQ, dynamics, delays, matrixes, mixers.
REMOTE CONTROL SOFTWARE	IRIS-Net, for free configuration, operation and supervision. Task engine, scheduler, system integration with remote controlled amplifiers
CONTROL PORTS IN / OUT	4 Control Inputs (analog 0-10 V / logic control), 3 Control Outputs (Relay contact to ground), 1 Fault Output (NC Relay contact), 2 Reference Outputs (+10 V, 200 mA/GND), 4 GPIO, 4 Relay outs, 2 RS-232 ports
SYSTEM REMOTE CONTROL	IRIS-Net
WEIGHT [KG]	7,35
DIMENSIONS (WXHxD) [MM]	483 x 88.1 x 381
ARTICLE CODE	DC-P64
MODULES AND EXTENSION CARDS	DSP-1 P64 DSP Extension Module, 300 MIPS DSP-2 P64 DSP Extension Module, 1500 MIPS AI-1 P64 8 channel analog Input Module, 117dB dynamic range AO-1 P64 8 channel analog Output Module, 118dB dynamic range DI-1 P64 8 channel AES3 Digital Input Module, DO-1 P64 8 channel AES3 Digital Output Module MI-1 P64 8 channel Microphone Input Module, line pad, 48V phantom power CM-1 P64 Cobranet Module, 32 x 32 OM-1 OMNEO / Dante Interface Module, 32 x 32 at 48kHz, 2 interfaces for redundancy

Software

SONICUE

THE SMOOTH WAY TO DRIVE YOUR SOUND

SONICUE sound system software simplifies the set-up, tuning and operation of professional sound reinforcement systems driven by TGX, IPX, L- and C Series amplifiers or RCM-28 retrofitted amplifiers and MXE series matrices

Intuitive operation and direct interaction ensured by comprehensive overview of the entire sound system

Guided workflows offer maximum flexibility to save time and achieve best results with minimum effort

Customized control panel design for desktop panels as well as TPC-1 touch panel, advanced system logic with MXE5

Future-proof architecture: designed for multi-OS and third party plug-ins such as prediction or measuring software

Engineered speaker settings are available: allowing the integration of many brand's speaker systems with Dynacord amplifiers and DSPs

IRIS-Net

INTEGRATED SOFTWARE PLATFORM FOR REMOTE CONTROLLABLE DEVICES & SYSTEMS

Full system integration

Complete system monitoring and supervision

Custom user interfaces

Interface control and user access permissions

IRIS-Net supports Ethernet, CobraNet, CAN bus and USB as well as OMNEO, Dante and AES70 (OCA)

MARC

MULTI AMPLIFIER REMOTE CONTROL SOFTWARE

Intuitive system control to design, operate and supervise up to eight L series and/or C series amplifiers

Configurable control groups with GEQ, PEQ and Delay for real time system editing

System scene manager for easy store and recall of user presets

Complete offline system editing for offsite configuration

The configuration of the amplifiers includes the loading of factory speaker settings, including FIR-Drive settings with TEMP limiters



Mixers

Whether inputs being microphones being used by singers and for picking up acoustic instruments, signals from electric or electronic instruments or recorded music, Dynacord mixers provide a robust, high performance, yet compact & simple to operate solution for bringing all audio signals together. Thus creating best in class and well accepted professional sound in such places as hotels, churches, halls, music schools, clubs and restaurants as well as in the rental business for small to medium-sized events.

Dynacord mixers are available in powered versions – Powermate – and passive versions – Compact Mixer System, CMS – both providing a large amount of effects and signal processing.



PM 502



CMS



PowerMate

MODEL	503	600-3 / 1000-3 / 1600-3 / 2200-3	600-3 / 1000-3 / 1600-3 / 2200-3
POWERED / NON-POWERED	Powered	non-powered	Powered
MAX OUTPUT POWER (IHF-A) @ 4 OHM	640 W 	-	1250 W
AMPLIFIER CHANNELS	2	-	2
CHANNELS (MONO + STEREO)	5 + 3	up to 18 + 4	up to 18 + 4
MIC INPUTS	5	up to 22	up to 22
AUXILIARIES (MON, FX, AUX)	2	3 / 6	3 / 6
DIGITAL AUDIO INTERFACE			
STEREO 24/48BIT MULTI EFFECTS PROCESSOR	1	2	2
WARRANTY		3 years	



PowerMate

WITH ITS POWERMATE MIXERS, DYNACORD HAS SEIZED POLE POSITION IN THIS SEGMENT OF THE MARKET BY VIRTUE OF THE QUALITY OF ITS SOUND, COMPONENTS AND FEATURES.

Designed for a wide variety of applications there's a choice between the very compact PowerMate 600 and the larger PowerMate 1000, 1600 and 2200. All PowerMates feature the same powerful, but lightweight 2 x 1250 W Class-D amplifier fulfilling the highest audiophile demands.

Main Features

Class-D high-performance power amplifier delivering 2 x 1250 watts per channel (IHF-A) into 4Ω

2 editable digital effects devices with 100 presets each and 20 user memories each

Professional 4xIN / 4xOUT digital interface (USB) for the connection of a PC or Mac

Stereo equalizer in the master section

LPN Processing for small to medium-sized loudspeakers for greater punch and improved transparency in the bass and midrange of smaller loudspeakers

Made in Germany



POWERMATE 600-3 **POWERMATE 1000-3** **POWERMATE 1600-3** **POWERMATE 2200-3**

	2 x 1250 W			
MAX OUTPUT POWER (IHF-A) @40HM				
CHANNELS (Mono + Stereo)	4 + 4	6 + 4	12 + 4	18 + 4
MIC CHANNELS	6	10	16	22
AUX SEND / MONITOR / FX SENDS	1 / 1 / 1		2 / 2 / 2	
DIGITAL AUDIO INTERFACE	4 x 4 USB 2.0, 44,1 / 48 / 88,2 / 96 kHz			
MASTER EQ	9-band		11-band	
EFFECTS				
EFFECTS PRESETS / REMOTE CONTROL	100 factory + 20 user / Footswitch + MIDI			
ECHO / REVERB / HALLS, PLATE / ECHO / DELAY / FLANGER / CHORUS / DOUBLING	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SPEAKER PROTECTION ADJUSTABLE RMS LIMITER (against speaker thermal overload)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
WEIGHT [KG]	5,8	9,5	12	14,5
DIMENSIONS (WXHxD) [MM]	416,9 x 109,6 x 347,8	510,5 x 155 x 498,5	663,5 x 155 x 498,5	818 x 155 x 498,5
ACCESSORIES				
GOOSENECK LAMP 4-PIN	LittLite®	LittLite®	LittLite®	LittLite®
FOOT SWITCH	FS 11	FS 11	FS 11	FS 11



CMS – Compact Mixing System

DERIVED FROM THE ICONIC POWERMATE, DYNACORD'S COMPACT MIXING SYSTEM CONSOLES PRESENT THE PEAK IN THEIR SEGMENT BY VIRTUE OF AUDIO QUALITY, COMPONENTS AND FEATURES.

By integrating a high-quality analog mixer with finest digital 24/48-bit studio-grade effect processors, the CMS series represent the preferred solution for a large number of demanding professional audio applications. Offering all the level of quality, the larger CMS 1000, 1600 and 2200 offer the full feature set, while the CMS 600 has been optimized for size.

Main Features

High-Quality FX processors, editable with 100 factory and 20 user presets

Professional 4x4 24-bit/96kHz USB interface, recording software and MIDI interface for FX control

Stereo EQ for the main mix

First-class components (e.g. ALPS faders and potentiometers)

Large, contrast rich OLED display

Lightweight and compact package

Made in Germany

CHANNELS (MONO + STEREO)

MIC CHANNELS

AUXILLARYS AUX SEND / MONITOR / FX SENDS

DIGITAL AUDIO INTERFACE

MASTER EQ

EFFECTS

EFFECTS PRESETS / REMOTE CONTROL

ECHO / REVERB / HALLS, PLATE / ECHO / DELAY / FLANGER / CHORUS / DOUBLING

WEIGHT [KG]

DIMENSIONS (WXHXD) [MM]

ACCESSORIES

LID

CARRYING BAG

DUST COVER

RACK MOUNT KIT

GOOSENECK LAMP 4-PIN

FOOT SWITCH



CMS 600-3

4 + 4

6

1 / 1 / 1

9-band

100 factory + 20 user / Footswitch + MIDI

5,8

416,9 x 109,6 x 347,8

-

BAG-600CMS

-

RMK-CMS600-3

LittLite®

FS 11



CMS 1000-3

6 + 4

10

2 / 2 / 2

11-band

100 factory + 20 user / Footswitch + MIDI

9,5

510,5 x 155 x 498,5

LID-1000

-

RMK1000 CMS-III

LittLite®

FS 11



CMS 1600-3

12 + 4

16

2 / 2 / 2

11-band

100 factory + 20 user / Footswitch + MIDI

12

663,5 x 155 x 498,5

LID-1600

-

-

LittLite®

FS 11



CMS 2200-3

18 + 4

22

2 / 2 / 2

11-band

100 factory + 20 user / Footswitch + MIDI

14,5

818 x 155 x 498,5

-

-

SH2200-3

-

LittLite®

FS 11

PM 502

PM 502 COMBINES FINEST ANALOG INPUT CIRCUITRY AND OPERATING SURFACE WITH THE ADVANTAGES OF A DIGITAL MASTER AND AMPLIFIER SECTION MAKING FOR A NEW DIMENSION OF FLEXIBILITY IN ITS CLASS.

The acoustical performance meets everything that you have come to expect from a quality Dynacord product. The input structure, along with the entire feature package and connectivity, positions this mixer at the heart of many installations ranging from Bistros, small clubs, boutiques, hotel bars to churches, mosques and a wide range of similar applications. Further, the PM 502 is an extremely versatile tool for a multitude of live applications.



Main Features

- 5 low noise / high gain MIC / LINE channels

- 3 Stereo Channels (Jack, RCA, USB)

- Switchable 48V phantom power

- Onboard MP3-Media-Player (USB Type A at the front)

- Onboard HQ 48bit Effects Section with 32 editable Presets (PowerMate Algorithms)

- All Master outs featuring individual 7 band graphic EQ

- Onboard 2 x 450W RMS / 2 x 600W Program (4Ohm) Class-D power amplifier switchable to 100V (mono) operation

- LPN processing for small to medium-sized loudspeakers for greater punch and improved transparency in the bass and mid-range of smaller loudspeakers

PM 502

MAX OUTPUT POWER (IHF-A) @4OHM	2 x 640 W / 100 V Direct Drive = 680 W
CHANNELS (MONO + STEREO)	5 + 3
MIC CHANNELS	5
AUX SENDS: MONITOR / FX	1 / 1
DIGITAL AUDIO INTERFACE	
USB PLAYER, USB INTERFACE	MP3, WAV / 2 x 2 USB 2.0
MASTER EQ	7-band
EFFECTS	
EFFECTS PRESETS	32
REMOTE CONTROL	Footswitch
ECHO / REVERB / ECHO / DELAY / CHORUS	<input checked="" type="checkbox"/>
WEIGHT [KG]	4,9
DIMENSIONS (WXHxD) [MM]	395 x 244 x 241
ACCESSORIES	
RACK MOUNT KIT	RMK-502
FOOT SWITCH	FS 11