



C Series

POWER AMPLIFIERS



FIXED INSTALL APPLICATIONS



DYNACORD



OF ENGINEERING INNOVATION

Professional Audio Engineering

For over 70 years, Dynacord has designed and engineered professional audio systems – products that offer unparalleled performance and premium quality, the perfect balance of power and precision. 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.

C Series

TWO-CHANNEL POWER AMPLIFIERS

FIXED INSTALL APPLICATIONS



Making real professional performance more accessible than ever

Dynacord's C Series power amplifiers are designed for permanent installation applications, to provide background or live music in venue including bars, churches, restaurants, sports facilities, and performing arts centers.

C Series power amplifiers also feature an exciting new industrial design. 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 circuitry ensures safe, reliable operation under all conditions. Four different models per series are available, with a total output power ranging from 1300 W to 3600 W at 4 ohms.

All 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 Euroblock connectors for convenient wiring, remote power-on delay, and GPIOs to interface with third-party controls. The efficient standby power mode reduces running costs and power consumption by up to 90%, leading to a very low total cost of ownership.

Like all Dynacord amplifiers, the C Series also offers high-quality components and truly professional processing power and performance characteristics. Their engineering and applied technologies enable exceptional sound quality with plenty of headroom. The onboard DSP includes multi-band PEQs, crossovers, limiters, and delay per channel. It also has true channel grouping control with extra DSP capabilities like PEQ, GEQ (graphic equalizer), and delay for each group.

**DYNACORD
PROFESSIONAL AUDIO
SYSTEMS** have been proven
in countless applications, including
venues for many of the largest
entertainment and sporting events.



software

Dynacord's new, powerful and easy-to-use software tool allows full configuration, control, and supervision of sound systems with multiple amplifiers. It offers multi-device control via PC-based GUI for configuration and system tuning of up to 16 amplifier channels, flexible control options and FIR presets. The software is provided free of charge and can be downloaded on Dynacord's website.

TRUE PROFESSIONAL AMPLIFIER TECHNOLOGY Dedicated for fixed installations

- Rock solid amplifier technology engineered in Germany
 - Extremely powerful, proven audio performance
 - Engineered for constant stability at 2 ohms
 - Low and high impedance outputs and remote GPIO control
 - Highly efficient standby power mode reduces running costs and power consumption up to 90%.
 - Sophisticated protection circuitry always protects the amplifiers and connected loudspeakers
 - High-performance bulletproof voltage handling
 - On-board DSP includes multi-band PEQs, crossovers, limiters and delay per channel; True channel grouping control with extra DSP capabilities including GEO.
 - Intuitive, powerful control software makes configuration and real time control easy – up to 16 amp channels can be controlled and monitored simultaneously
 - FIR-Drive combines technologies to create a sophisticated loudspeaker correction and protection system yielding a level of unparalleled performance.
-



C3600FDi

3600 W

1800 W @ 4 Ω, 3200 W @ 2 Ω
(maximum output power per channel)



C2800FDi

2800 W

1400 W @ 4 Ω, 2300 W @ 2 Ω
(maximum output power per channel)



C1800FDi

1800 W

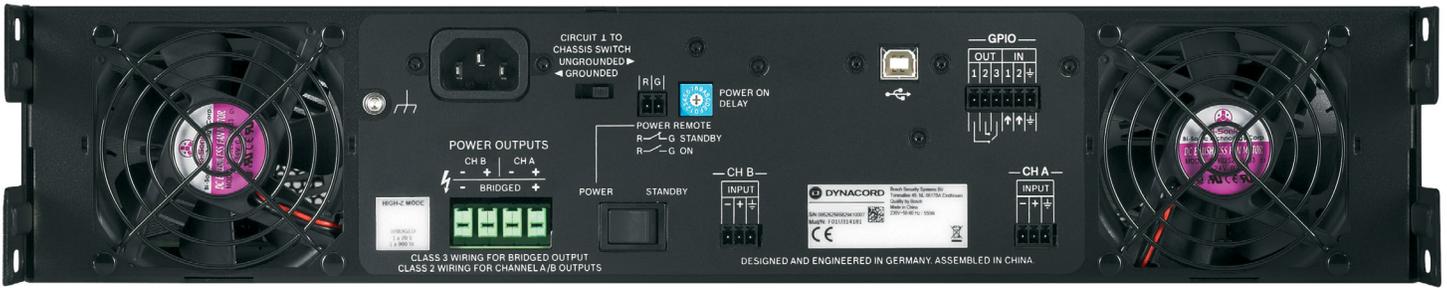
900 W @ 4 Ω, 1600 W @ 2 Ω
(maximum output power per channel)



C1300FDi

1300 W

650 W @ 4 Ω, 1100 W @ 2 Ω
(maximum output power per channel)



TECHNICAL SPECIFICATIONS

General	C1300FDi			C1800FDi			C2800FDi			C3600FDi		
Load Impedance	2 Ω	4 Ω	8 Ω	2 Ω	4 Ω	8 Ω	2 Ω	4 Ω	8 Ω	2 Ω	4 Ω	8 Ω
Maximum Output Power, Single Channel	1100 W	660 W	350 W	1600 W	950 W	480 W	2300 W	1400 W	700 W	3200 W	1800 W	950 W
Maximum Output Power, Dual Channel	1000 W	600 W	320 W	1400 W	850 W	450 W	2200 W	1300 W	650 W	3000 W	1700 W	900 W
Maximum Output Power, Bridged	-	2000 W	1200 W	-	2800 W	1700 W	-	4400 W	2600 W	-	6000 W	3400 W
High Impedance Operation	70 V			70 V	100 V		70 V		100 V		70 V	100 V
Maximum Output power per Channel	-			1250 W	-		1250 W	2500 W		1250 W	2500 W	
Maximum power output Bridge mode	600 W			600 W	1250 W		Not recommended			Not recommended		
Voltage Gain (Ref.1 kHz)	32 dB											
THD (at 60 W/4 Ω, MBW = 80 kHz, 1 kHz)	< 0.05%											
IMD-SMPTE (60 Hz, 7 kHz)	< 0.1%											
DIM30 (3.15 kHz, 15 kHz)	< 0.05%											
Maximum Input Level	+21 dBu											
Crosstalk (ref. 1 kHz, at 100 W/4 Ω)	< -80 dB											
Frequency Response (ref. 1 kHz)	10 Hz ... 21 kHz (±1 dB)											
Input Impedance (Active Balanced)	20 kΩ											
Signal to Noise Ratio Amplifier (A-weighted, ref. to Max. Output Power @ 8 Ω)	> 104 dB			> 105 dB			> 107 dB			> 109 dB		
Output Noise (A-weighted)	< -68 dBu											
Dimensions (W x H x D)	483 mm x 88 mm x 462.4 mm											
Weight	16.2 kg (35.7lbs)											
Remote Power On/GPIO	Power remote via switch, delay time selectable, floating relay contacts (show protect mode), Inputs for preset selection											
Signal Processing	FIR Filters, Audio Limiters, Output delay per channel, 31 band GEQ per channel, PEQ per channel, Load impedance											
Optional	PC remote control software											

Test signal for max. output power according IHF-A-202 (Dynamic-Headroom, burst 1 kHz / 20 ms on / 480 ms off / low level -20 dBu)
 Input power exceeds 1.1 times rated power consumption with 2 Ω load in Dual Mode or 4 Ω load in Bridged Mode.

Headquarter Addresses

North America Global HQ
 Bosch Security Systems, Inc.
 Burnsville, MN
 +1-952-884-4051

Latin America Regional HQ
 Robert Bosch, Limitada
 Security Systems
 Campinas, SP, Brasil
 +55 19 2103-4282

Asia Pacific Regional HQ
 Robert Bosch (SEA) Pte Ltd
 Singapore
 +65 6571 2808

China Regional HQ
 Bosch (Shanghai)
 Security Systems Ltd.
 IBP, Changning District
 Shanghai, P.R. China
 400-8310-669

Europe Regional HQ
 Bosch Sicherheitssysteme
 GmbH
 (EVI Audio GmbH)
 Straubing, Germany
 +49 9421 706-0