

70  
years

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.



#### TECHNICAL SPECIFICATIONS

| General                                                                        | L1300FD                                                                                                         |        |        | L1800FD  |        |        | L2800FD                   |        |        | L3600FD  |        |        |
|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------|--------|----------|--------|--------|---------------------------|--------|--------|----------|--------|--------|
| 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 |
| Maximum RMS Voltage Swing, (THD = 1%, 1 kHz)                                   | 55.3 V                                                                                                          |        |        | 65.1 V   |        |        | 78.8 V                    |        |        | 90.6 V   |        |        |
| 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)         |        |        |          |        |        |
| Signal Processing                                                              | FIR Filters, Audio Limiters, Output delay per channel, 31 band GEO per channel, PEQ per channel, Load impedance |        |        |          |        |        |                           |        |        |          |        |        |
| Optional                                                                       | PC remote control software                                                                                      |        |        |          |        |        |                           |        |        |          |        |        |

*Test signal for max. output power according ITH-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.*

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LIVE SOUND APPLICATIONS



## L Series

TWO-CHANNEL POWER AMPLIFIERS

Making real professional performance  
more accessible than ever

Dynacord L Series power amplifiers are engineered to provide sound reinforcement for demanding live music applications. They are ideal for performing musicians and production companies providing sound reinforcement for live performances in venues like music clubs, community hall events, performance centers, and sports venues.

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.

An 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 and delay for each group. L Series amplifiers are also equipped with advanced FIR-Drive, a proprietary premium feature normally reserved for the highest quality tour-grade DSPs. Four different models are available, with total output power ranging from 1300 W to 3600 W at 4 ohms.

LIVE SOUND APPLICATIONS

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 live music applications

- Rock solid amplifier technology engineered in Germany
- Extremely powerful, proven audio performance
- Engineered for constant stability at 2 ohms
- 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 GEQ.
- 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.



**L3600FD** 3600 W

1800 W @ 4  $\Omega$ , 3200 W @ 2  $\Omega$   
(maximum output power per channel)



**L2800FD** 2800 W

1400 W @ 4  $\Omega$ , 2300 W @ 2  $\Omega$   
(maximum output power per channel)



**L1800FD** 1800 W

900 W @ 4  $\Omega$ , 1600 W @ 2  $\Omega$   
(maximum output power per channel)



**L1300FD** 1300 W

650 W @ 4  $\Omega$ , 1100 W @ 2  $\Omega$   
(maximum output power per channel)