

**Make:** Dynacord  
**Model:** C1300FDi

**Text:** 2-channel power amplifier with integrated DSP, 2 x 650 Watt

#### Features

- Professional power amplifier for high and low-impedance loads
- Digital signal processor (DSP) with FIR-filters (FIR-Drive)
- Backlight LCD and encoder for parameter editing including locking
- USB 2.0 connection for PC remote control and supervision
- PC software for remote control and supervision for up to 8 devices
- Stand-by operation remote controlled, with a 16-step power-on delay
- Load measurement in real time, display via front panel and software
- Ground free contact closure for error messages
- 50 user presets with remote recall via contact closure
- Auto-save of last edited parameter

#### Digital Signal Processing

- A/D + D/A-Converter: 24 Bit, Sigma-Delta, 128-fach over sampling
- Sampling Rate: 48 kHz
- Dynamic Range: > 120 dB
- Routing: each output channel can utilize input A, input B or sum A+B
- Master EQ (per channel): 5 filter per input channel, freely configurable as:  
PEQ, Lo-Shelv, Hi-shelv, Lo-pass, Hi-pass
- Master delay (per channel): up to 650 ms (editable units: ms, m, feet)
- Master graphic EQ (per channel): 31-Band, Q=4.3 (only via software)
- X-over: Hi-pass and lo-pass filter per channel (12/18/24dB Bessel or Butterworth, 12/24dB Linkwitz-Riley), 6dB, 12dB (Q=0.5, 0.6, 0.7, 0.8, 1.0, 1.2, 1.5, 2.0)
- X-over delay (per channel): 20ms (editable units:

- Comprehensive editing of DSP parameters for speakers without a factory setting
- Scene control – system wide preset save and recall of 50 user presets
- Adjustable limits for the real time impedance measurement for load monitoring ( short or open circuit)
- Control groups with VU display, level, mute, 5-band PEQ, 31-band GEQ and master delay
- Real time supervision and display of: protections, current user preset, input routing, clip, PEQ-, GEQ-, Delay-active, input level, mute status, output VU, limit, open/short, impedance measurement valid, current load, current speaker setting

Technical specifications:

Maximum output power (single channel, IHF-A):

1.100 W (2 Ohm)  
 950 W (2.7 Ohm = 3 x 8 Ohm parallel)  
 660 W (4 Ohm)  
 350 W ( 8 Ohm)

Maximum output power in bridged mode:

2.000 W (4 Ohm)  
 1.200 W (8 Ohm)

Direct drive load capability:

70V: 1 x 625 W (0.0dB)

Gain

32 dB

THD (450W/4Ohm, MBW 80Hz, 1kHz)

< 0,05 %

Max. input level

+21 dBu (8.7 V)

Crosstalk (1kHz, 100W/4Ohm)

< -80dB

Frequency response (ref. 1kHz)

10 Hz to 21 kHz (+/- 1 dB)

Input impedance (activ balanced)

20 kOhm

Signal-to-Noise (A-weighted)

> 104 dB

Output noise (A-weighted)

< -68 dBu

Mains voltage:

230V/50Hz

Power consumption (1/8 max. @ 4Ohm)

550W

Width

483 mm (19")

Max. heights

88 mm (1HE)

Max. depth

462.4 mm

Weight

12.9 kg

**Make:** Dynacord  
**Model:** C1800FDi

**Text:** 2-channel power amplifier with integrated DSP, 2 x 900 Watt

#### Features

- Professional power amplifier for high and low-impedance loads
- Digital signal processor (DSP) with FIR-filters (FIR-Drive)
- Backlight LCD and encoder for parameter editing including locking
- USB 2.0 connection for PC remote control and supervision
- PC software for remote control and supervision for up to 8 devices
- Stand-by operation remote controlled, with a 16-step power-on delay
- Load measurement in real time, display via front panel and software
- Ground free contact closure for error messages
- 50 user presets with remote recall via contact closure
- Auto-save of last edited parameter

#### Digital Signal Processing

- A/D + D/A-Converter: 24 Bit, Sigma-Delta, 128-fach over sampling
- Sampling Rate: 48 kHz
- Dynamic Range: > 120 dB
- Routing: each output channel can utilize input A, input B or sum A+B
- Master EQ (per channel): 5 filter per input channel, freely configurable as:  
PEQ, Lo-Shelv, Hi-shelv, Lo-pass, Hi-pass
- Master delay (per channel): up to 650 ms (editable units: ms, m, feet)
- Master graphic EQ (per channel): 31-Band, Q=4.3 (only via software)
- X-over: Hi-pass and lo-pass filter per channel (12/18/24dB Bessel or Butterworth, 12/24dB Linkwitz-Riley), 6dB, 12dB (Q=0.5, 0.6, 0.7, 0.8, 1.0, 1.2, 1.5, 2.0)
- X-over delay (per channel): 20ms (editable units: s, ms, s, samples, ft, in, cm, m)
- Channel EQ (per output): 6 filter per channel, freely configurable as:  
PEQ, Lo-Shelv, Hi Shelv, Lo-pass, Hi-pass, Allpass
- Peak Limiter (threshold, attack, release)
- TEMP Limiter (only in combination with dedicated factory speaker settings)
- FIR-Drive Processing (FIR-factory settings with 512 Tabs)
- Output control (per channel): level (-80 dB bis 0 dB), mute

#### Amplifier

- Softstart-electronics with inrush-peak current limiter and delayed activation of power outputs via relais
- Temperature monitored toroidal transformer with extremely small interference
- Groundlift switch
- Operation modes: stereo, dual mono, mono and bridged (factory preset)
- Stable operation on complex loads down to 2 Ohms; in bridged mode down to 4 Ohms
- Dynamic limiter (THD, output signal / input signal = 1%)
- Protection package: back-EMF, over temperature, overload, short circuit, HF or DC on output
- Two 3-stage fans with very low noise level
- Short term maximum ventilation when powering on to clean dust and debris
- Audio- and logic connectors:
  - Inputs: 2 x 3-pol. Euro-Block connector
  - Control Ports: 6-pol Euro-Block connector,
  - Stand-By remote: 2-pol. Euro-Block connector
  - Outputs: 4-pol. Euro-Block connector for max. 6mm<sup>2</sup>
- Computer Interface: USB 2.0 Type A
- LED-display for: Power and Stand-By

#### PC Software

- Operation, control and supervision of the amplifier in real time
- Find function to identify and assign devices
- Configuration groups for common loading of speaker settings (.sps-Format)

- Comprehensive editing of DSP parameters for speakers without a factory setting
- Scene control – system wide preset save and recall of 50 user presets
- Adjustable limits for the real time impedance measurement for load monitoring ( short or open circuit)
- Control groups with VU display, level, mute, 5-band PEQ, 31-band GEQ and master delay
- Real time supervision and display of: protections, current user preset, input routing, clip, PEQ-, GEQ-, Delay-active, input level, mute status, output VU, limit, open/short, impedance measurement valid, current load, current speaker setting

Technical specifications:

Maximum output power (single channel, IHF-A):

1.600 W (2 Ohm)  
 1.300 W (2.7 Ohm = 3 x 8 Ohm parallel)  
 950 W (4 Ohm)  
 480 W ( 8 Ohm)

Maximum output power in bridged mode:

2.800 W (4 Ohm)  
 1.100 W (8 Ohm)

Direct drive load capability:

70V: 2 x 1.250 W (-1.5 dB)  
 100V: 1 x 1250 W (-1.5 dB)

Gain

32 dB

THD (600W/4Ohm, MBW 80Hz, 1kHz)

< 0,05 %

Max. input level

+21 dBu (8.7 V)

Crosstalk (1kHz, 100W/4Ohm)

< -80dB

Frequency response (ref. 1kHz)

10 Hz to 21 kHz (+/- 1 dB)

Input impedance (activ balanced)

20 kOhm

Signal-to-Noise (A-weighted)

> 105 dB

Output noise (A-weighted)

< -68 dBu

Mains voltage:

230V/50Hz

Power consumption (1/8 max. @ 4Ohm)

700W

Width

483 mm (19")

Max. heights

88 mm (1HE)

Max. depth

462.4 mm

Weight

15.2 kg

**Make:** Dynacord  
**Model:** C2800FDi

**Text:** 2-channel power amplifier with integrated DSP, 2 x 1400 Watt

#### Features

- Professional power amplifier for high and low-impedance loads
- Digital signal processor (DSP) with FIR-filters (FIR-Drive)
- Backlight LCD and encoder for parameter editing including locking
- USB 2.0 connection for PC remote control and supervision
- PC software for remote control and supervision for up to 8 devices
- Stand-by operation remote controlled, with a 16-step power-on delay
- Load measurement in real time, display via front panel and software
- Ground free contact closure for error messages
- 50 user presets with remote recall via contact closure
- Auto-save of last edited parameter

#### Digital Signal Processing

- A/D + D/A-Converter: 24 Bit, Sigma-Delta, 128-fach over sampling
- Sampling Rate: 48 kHz
- Dynamic Range: > 120 dB
- Routing: each output channel can utilize input A, input B or sum A+B
- Master EQ (per channel): 5 filter per input channel, freely configurable as:  
PEQ, Lo-Shelv, Hi-shelv, Lo-pass, Hi-pass
- Master delay (per channel): up to 650 ms (editable units: ms, m, feet)
- Master graphic EQ (per channel): 31-Band, Q=4.3 (only via software)
- X-over: Hi-pass and lo-pass filter per channel (12/18/24dB Bessel or Butterworth, 12/24dB Linkwitz-Riley), 6dB, 12dB (Q=0.5, 0.6, 0.7, 0.8, 1.0, 1.2, 1.5, 2.0)
- X-over delay (per channel): 20ms (editable units: s, ms, s, samples, ft, in, cm, m)
- Channel EQ (per output): 6 filter per channel, freely configurable as:  
PEQ, Lo-Shelv, Hi Shelv, Lo-pass, Hi-pass, Allpass
- Peak Limiter (threshold, attack, release)
- TEMP Limiter (only in combination with dedicated factory speaker settings)
- FIR-Drive Processing (FIR-factory settings with 512 Tabs)
- Output control (per channel): level (-80 dB bis 0 dB), mute

#### Amplifier

- Softstart-electronics with inrush-peak current limiter and delayed activation of power outputs via relays
- Temperature monitored toroidal transformer with extremely small interference
- Groundlift switch
- Operation modes: stereo, dual mono, mono and bridged (factory preset)
- Stable operation on complex loads down to 2 Ohms; in bridged mode down to 4 Ohms
- Dynamic limiter (THD, output signal / input signal = 1%)
- Protection package: back-EMF, over temperature, overload, short circuit, HF or DC on output
- Two 3-stage fans with very low noise level
- Short term maximum ventilation when powering on to clean dust and debris
- Audio- and logic connectors:
  - Inputs: 2 x 3-pol. Euro-Block connector
  - Control Ports: 6-pol Euro-Block connector,
  - Stand-By remote: 2-pol. Euro-Block connector
  - Outputs: 4-pol. Euro-Block connector for max. 6mm<sup>2</sup>
- Computer Interface: USB 2.0 Type A
- LED-display for: Power and Stand-By

#### PC Software

- Operation, control and supervision of the amplifier in real time
- Find function to identify and assign devices
- Configuration groups for common loading of speaker settings (.sps-Format)

- Comprehensive editing of DSP parameters for speakers without a factory setting
- Scene control – system wide preset save and recall of 50 user presets
- Adjustable limits for the real time impedance measurement for load monitoring ( short or open circuit)
- Control groups with VU display, level, mute, 5-band PEQ, 31-band GEQ and master delay
- Real time supervision and display of: protections, current user preset, input routing, clip, PEQ-, GEQ-, Delay-active, input level, mute status, output VU, limit, open/short, impedance measurement valid, current load, current speaker setting

Technical specifications:

Maximum output power (single channel, IHF-A):

2.300 W (2 Ohm)  
 2.000 W (2.7 Ohm = 3 x 8 Ohm parallel)  
 1.400 W (4 Ohm)  
 700 W ( 8 Ohm)

Maximum output power in bridged mode:

4.400 W (4 Ohm)  
 2.600 W (8 Ohm)

Direct drive load capability:

70V: 2 x 1.250 W (0.0 dB)  
 70V: 2 x 2.500 W (-3.0 dB)  
 100V: 1 x 1250 W (0.0 dB)

Gain

32 dB

THD (600W/4Ohm, MBW 80Hz, 1kHz)

< 0,05 %

Max. input level

+21 dBu (8.7 V)

Crosstalk (1kHz, 100W/4Ohm)

< -80dB

Frequency response (ref. 1kHz)

10 Hz to 21 kHz (+/- 1 dB)

Input impedance (activ balanced)

20 kOhm

Signal-to-Noise (A-weighted)

> 107 dB

Output noise (A-weighted)

< -68 dBu

Mains voltage:

230V/50Hz

Power consumption (1/8 max. @ 4Ohm)

700W

Width

483 mm (19")

Max. heights

88 mm (1HE)

Max. depth

462.4 mm

Weight

16.2 kg

**Make:** Dynacord  
**Model:** C3600FDi

**Text:** 2-channel power amplifier with integrated DSP, 2 x 1800 Watt

#### Features

- Professional power amplifier for high and low-impedance loads
- Digital signal processor (DSP) with FIR-filters (FIR-Drive)
- Backlight LCD and encoder for parameter editing including locking
- USB 2.0 connection for PC remote control and supervision
- PC software for remote control and supervision for up to 8 devices
- Stand-by operation remote controlled, with a 16-step power-on delay
- Load measurement in real time, display via front panel and software
- Ground free contact closure for error messages
- 50 user presets with remote recall via contact closure
- Auto-save of last edited parameter

#### Digital Signal Processing

- A/D + D/A-Converter: 24 Bit, Sigma-Delta, 128-fach over sampling
- Sampling Rate: 48 kHz
- Dynamic Range: > 120 dB
- Routing: each output channel can utilize input A, input B or sum A+B
- Master EQ (per channel): 5 filter per input channel, freely configurable as:  
PEQ, Lo-Shelv, Hi-shelv, Lo-pass, Hi-pass
- Master delay (per channel): up to 650 ms (editable units: ms, m, feet)
- Master graphic EQ (per channel): 31-Band, Q=4.3 (only via software)
- X-over: Hi-pass and lo-pass filter per channel (12/18/24dB Bessel or Butterworth, 12/24dB Linkwitz-Riley), 6dB, 12dB (Q=0.5, 0.6, 0.7, 0.8, 1.0, 1.2, 1.5, 2.0)
- X-over delay (per channel): 20ms (editable units: s, ms, s, samples, ft, in, cm, m)
- Channel EQ (per output): 6 filter per channel, freely configurable as:  
PEQ, Lo-Shelv, Hi Shelv, Lo-pass, Hi-pass, Allpass
- Peak Limiter (threshold, attack, release)
- TEMP Limiter (only in combination with dedicated factory speaker settings)
- FIR-Drive Processing (FIR-factory settings with 512 Tabs)
- Output control (per channel): level (-80 dB bis 0 dB), mute

#### Amplifier

- Softstart-electronics with inrush-peak current limiter and delayed activation of power outputs via relais
- emperature monitored toroidal transformer with extremely small interference
- Groundlift switch
- Operation modes: stereo, dual mono, mono and bridged (factory preset)
- Stable operation on complex loads down to 2 Ohms; in bridged mode down to 4 Ohms
- Dynamic limiter (THD, output signal / input signal = 1%)
- Protection package: back-EMF, over temperature, overload, short circuit, HF or DC on output
- Two 3-stage fans with very low noise level
- Short term maximum ventilation when powering on to clean dust and debris
- Audio- and logic connectors:
  - Inputs: 2 x 3-pol. Euro-Block connector
  - Control Ports: 6-pol Euro-Block connector,
  - Stand-By remote: 2-pol. Euro-Block connector
  - Outputs: 4-pol. Euro-Block connector for max. 6mm<sup>2</sup>
- Computer Interface: USB 2.0 Type A
- LED-display for: Power and Stand-By

#### PC Software

- Operation, control and supervision of the amplifier in real time
- Find function to identify and assign devices
- Configuration groups for common loading of speaker settings (.sps-Format)

- Comprehensive editing of DSP parameters for speakers without a factory setting
- Scene control – system wide preset save and recall of 50 user presets
- Adjustable limits for the real time impedance measurement for load monitoring ( short or open circuit)
- Control groups with VU display, level, mute, 5-band PEQ, 31-band GEQ and master delay
- Real time supervision and display of: protections, current user preset, input routing, clip, PEQ-, GEQ-, Delay-active, input level, mute status, output VU, limit, open/short, impedance measurement valid, current load, current speaker setting

Technical specifications:

Maximum output power (single channel, IHF-A):

3.200 W (2 Ohm)  
 2.700 W (2.7 Ohm = 3 x 8 Ohm parallel)  
 1.800 W (4 Ohm)  
 950 W ( 8 Ohm)

Maximum output power in bridged mode:

6.000 W (4 Ohm)  
 3.400 W (8 Ohm)

Direct drive load capability:

100V: 2 x 2.500 W (-1.5 dB)

Gain

32 dB

THD (600W/4Ohm, MBW 80Hz, 1kHz)

< 0,05 %

Max. input level

+21 dBu (8.7 V)

Crosstalk (1kHz, 100W/4Ohm)

< -80dB

Frequency response (ref. 1kHz)

10 Hz to 21 kHz (+/- 1 dB)

Input impedance (activ balanced)

20 kOhm

Signal-to-Noise (A-weighted)

> 109 dB

Output noise (A-weighted)

< -68 dBu

Mains voltage:

230V/50Hz

Power consumption (1/8 max. @ 4Ohm)

850W

Width

483 mm (19")

Max. heights

88 mm (1HE)

Max. depth

462.4 mm

Weight

18.2 kg