



Key Features:

- Configurable as a 2x200, 2x100 & 1x200, or 4x100 amplifier.
- Operation with 70V loudspeaker networks or 4/8 ohms low-impedance systems
- Outputs protected against idling, short-circuits, over-temp and load variations.
- Integrated Remote Module for control and monitoring (DPA4411 only)
- Routing switch for parallel operation of the amplifier's inputs
- Integrated Standby Power Supply
- Remote-Start function for mains and battery operation with inrush current limiter protection.
- Power-on noise attenuation.
- Status-LED indicators.
- LED meters with CLIP indication.
- Active, temperature-controlled ventilation.

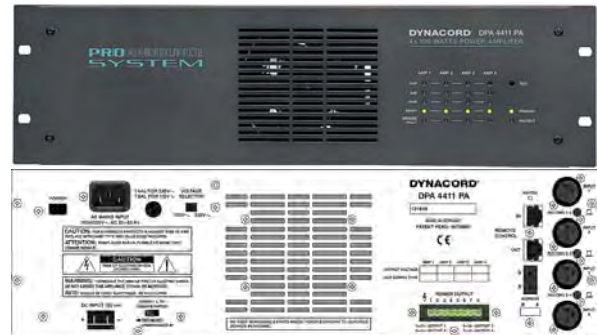
General Description:

The DPA4410/11 amplifiers have been specially designed to ensure durable performance and reliable operation of sound reinforcement systems with several independent loudspeaker lines. The units are best suited for paging and pre-recorded message installations, alert systems, and for general music applications in industrial enterprises, offices, multi-function halls, sport arenas, schools, churches, hotels, hospitals, super markets, cruise ships, and similar venues.

The DPA4410/11 amplifiers can either be operated on the AC mains or connected to an external 24 V battery power source. Switching to battery operation is accomplished via an internal relay.

The DPA4411 provides the following remote monitoring functions when used within a ProAnnounce system:

- Setting input levels on channels 1-4
- Reading level values of the audio level controls.
- Setting level offsets via virtual controllers.
- Mute function (via level controls).
- Remote control power operation ON/OFF.
- Battery operation remote control ON/OFF.
- Monitoring and fault message transmission of thermal overload warnings on the mains transformer or power output stages.
- Monitoring of the functioning of the power output stages 1 to 4 via pilot tone signal.
- Ground fault detection for loudspeaker lines.



Technical Specifications:

Nominal output power with mains supply	4 x 100 W
Input characteristics:	Electronically balanced
Nominal input level	775 mV = 0 dBu / 10 k ohms
Power output characteristics:	Balanced, floating
Nominal output voltage - AC supply	100 V / 70 V / 50 V / 20 V
Nominal output voltage - battery supply at 24 V DC	79 V / 56 V / 40 V / 16 V
Nominal load impedance	100 ohms (50 / 25 / 4 ohms)
Noise (A-weighted)	-56 dBu
THD	<1 %
Frequency response	60 Hz to 20 kHz
Distortion-limited response (PA NOMINAL -3dB, kS = 1 %)	60 Hz to 5 kHz
Crosstalk	80dB at 1 kHz
MONITOR output characteristics:	Electronically balanced
MONITOR nominal output voltage	2 V = + 8.2 dBu
MONITOR nominal load impedance	600 ohms
MONITOR frequency response	60 Hz to 20 kHz
Operating temperature range	+5 °C to +40 °C
Dimensions	(W x H x D) 19" (483 mm) x 3HU (132 mm) x 345 mm
Installation depth without external connectors	340 mm
Installation depth incl. external connectors (max.)	400 mm
Weight	22.5 kg
Color	Anthracite

Architecture & Engineering Specifications:

The remote control amplifier unit shall provide the following remote monitoring functions:

- Setting input levels on channels 1-4
- Reading level values of the audio level controls.
- Setting level offsets via virtual controllers.
- Mute function (via level controls).
- Remote control power operation ON/OFF.
- Battery operation remote control ON/OFF.
- Monitoring and fault message transmission of thermal overload warnings on the mains transformer or power output stages.
- Monitoring of the functioning of the power output stages 1 to 4 via pilot tone signal.
- Ground fault detection for loudspeaker lines.

The amplifier shall either be powered by AC mains or connected to an external 24 V battery power source. Switching to battery operation shall be accomplished via an internal relay.

The amplifier shall be 3 RU in height and be configurable for 2x200, 1x200 & 2x100, or 4x100 watt operation. Jumpers located on the unit chassis shall

accomplish these operation mode changes. The output channels must be driven through on-board transformers.

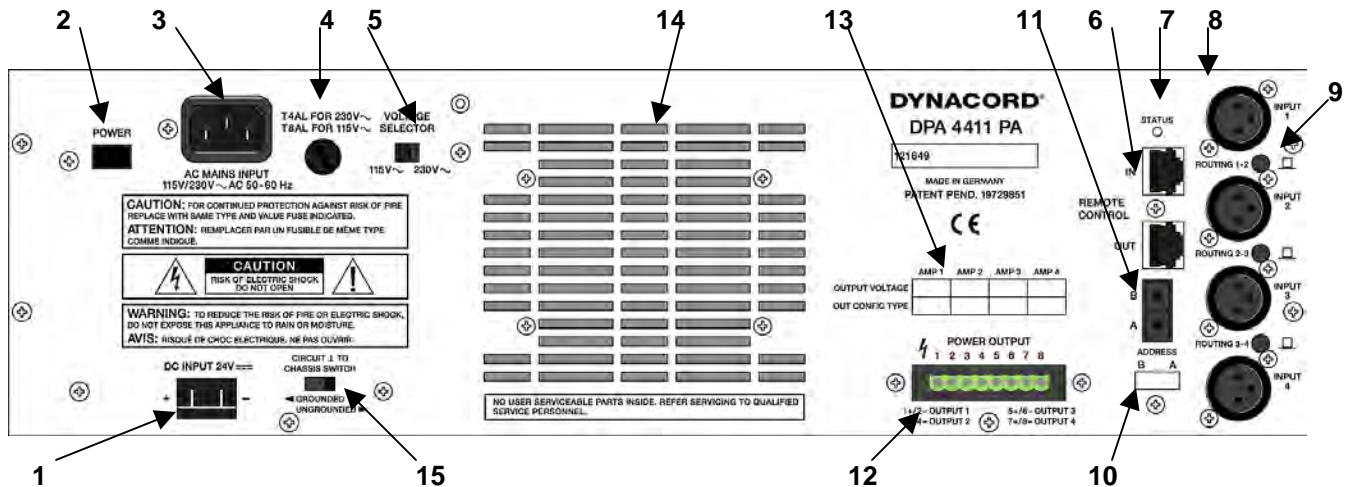
The amplifier shall be the Dynacord ProAnnounce DPA4411 or DPA4410.

Available Accessories:

Model	Cat. No.	Description
NRS90206	121639	Pilot Tone Monitor module
NRS90207	121799	Ground fault monitor module
NRS90208	121641	Input transformer

Ordering Information:

Model	Cat. No.	Description
DPA4410	121792	4x100 Power Amplifier
DPA4411	121793	4x100 Power Amplifier w/remote



- 1 DC INPUT 24 V =
- 2 POWER ON switch
- 3 AC MAINS INPUT connector
- 4 Mains fuse
- 5 VOLTAGE SELECTOR switch
- 6 REMOTE CONTROL connectors
- 7 STATUS indicator
- 8 INPUT connectors 1-4

- 9 ROUTING switch for INPUT 1-4
- 10 Device address label field
- 11 ADDRESS selector switch
- 12 POWER OUTPUT
- 13 Device output configuration label field
- 14 Air outlets
- 15 CIRCUIT GROUND TO CHASSIS GROUND SWITCH



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