

# PowerSub 312



- 12-inch Neodymium Long Excursion Woofer
- Integrated 3-channel power amplifier
- 1300 W Output Power
- Conical Vent Design

The PowerSub 312 active 12-inch subwoofer with an integrated 3-channel power amplifier provides a total of 1300 W output power. It has been specially designed for the quick and easy setup of a subwoofer satellite system. Two passive loudspeaker systems like for example Dynacord TS 100 are required as satellites, which are simply connected at the designated speakON outputs of the PowerSub 312. Manufactured from multi-ply wood the PowerSub 312 withstands even the hardest strain during transport and operation.

The integrated lightweight digital power amp with 800 W + 2 x 250 W output power optimally matches the integrated Dynacord DND 12S400 woofer offering highest dynamic and audio performance and at the same time ensures that the woofer is always operated in its optimum operating range. Extensive protection circuitry like Voice Coil Protection, DC/HF-Protection, Audio Limiter, Back-EMF Protection and Thermal Protection are employed to securely monitor the compliance to these operating limits, which guarantees that the PowerSub 312 provides outstanding performance even under most demanding and most unfavorable conditions. Compared to usual Class AB-operated amps the utilized Class D digital technology produces significantly less power loss, reducing thermal stress of all components. The

enclosure is sealed with a scratch-resistant, hardwearing 2K-lacquer finish. A robust powder-coated steel grille protects the woofer against mechanical damage. All controls are recessed to provide optimum protection for the sensitive parts of the PowerSub 312 even during transportation. Two stable carrying handles and an integrated threaded pole-mount flange allow comfortable transportation and optimum, space saving installation.

## Parts included

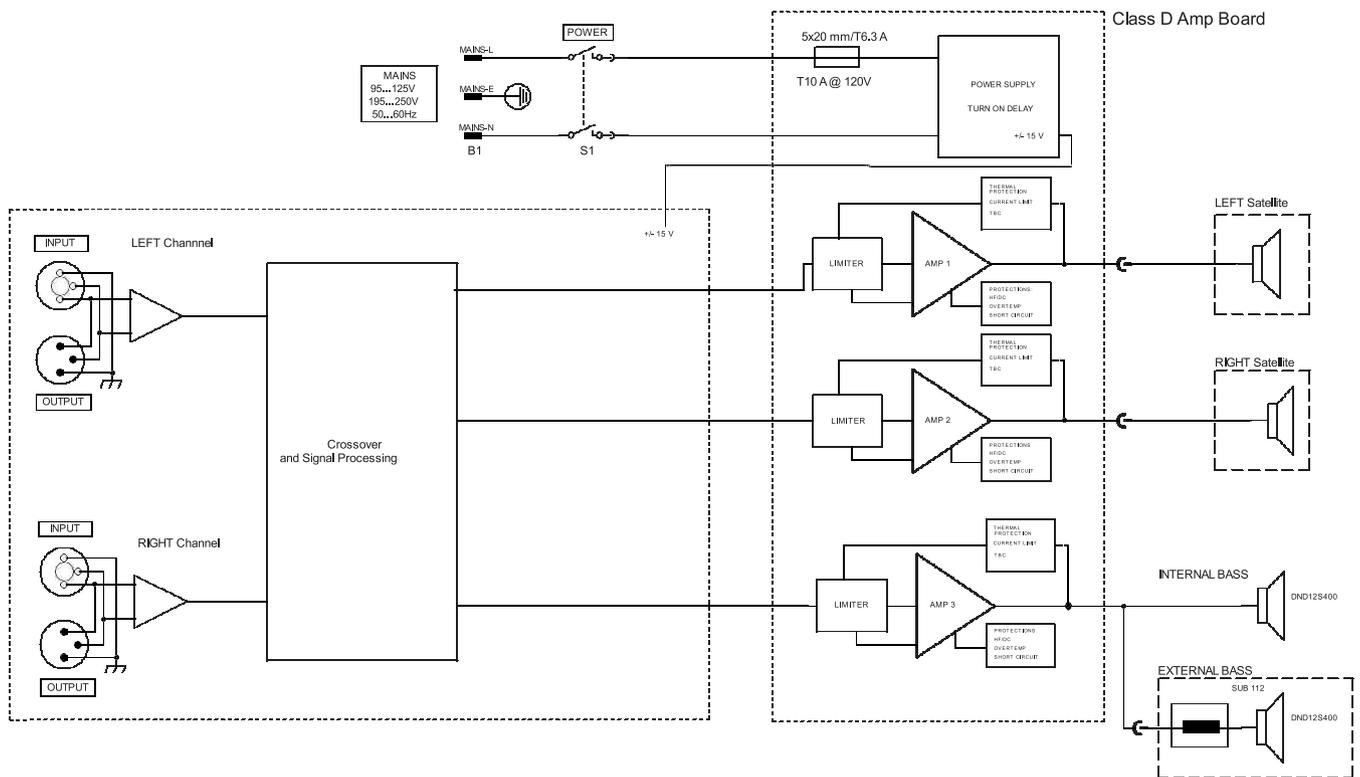
Quantity	Component
1	PowerSub 312
1	Power cord
1	User manual
1	Safety instructions including warranty certificate

## Technical specifications

Cabinet	Powered Subwoofer
Amplifier SUB	800 W at 4 Ω
Amplifier MID-HIGH	2 x 250 W at 4 Ω

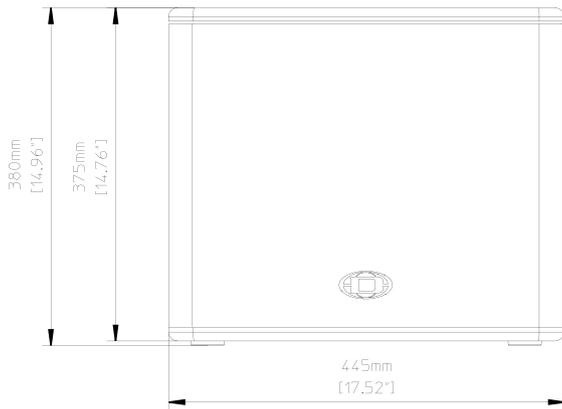
Connector MID-HIGH	2 x NEUTRIK speakON
SPL 1 W/1 m	92 dB
Max. SPL at 1 m	121 dB
Crossover frequency	140 Hz
Components SUB	DND 12S400
Power requirement	220–240 V, 50–60 Hz
In-rush current	< 45 A
In-rush current, after five-second power cycle	560 mA
Electromagnetical environment	E1, E2, E3
Product dimensions (Width x Height x Depth)	445 x 380 x 445 mm
Operating temperature	0 °C to +40 °C
Shipping weight	27 kg
Net weight	23 kg

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Circuit diagram

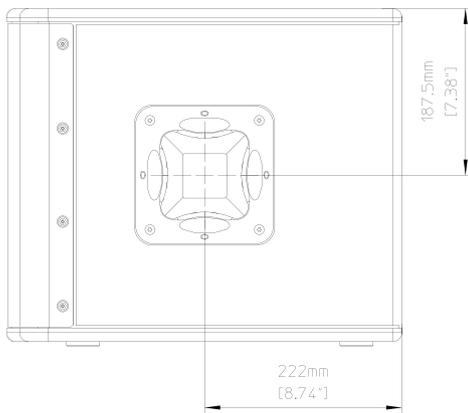
FRONT



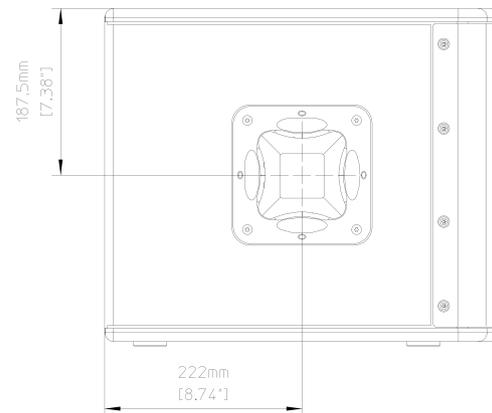
REAR



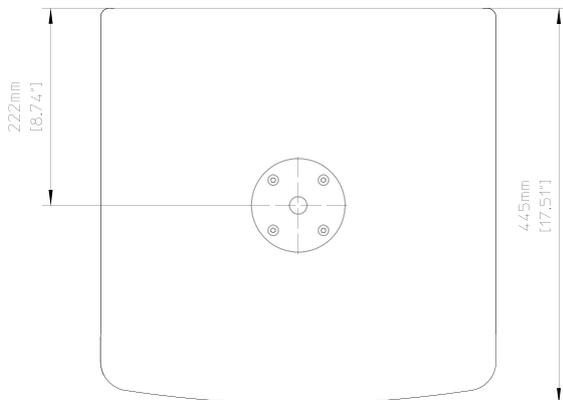
SIDE RIGHT



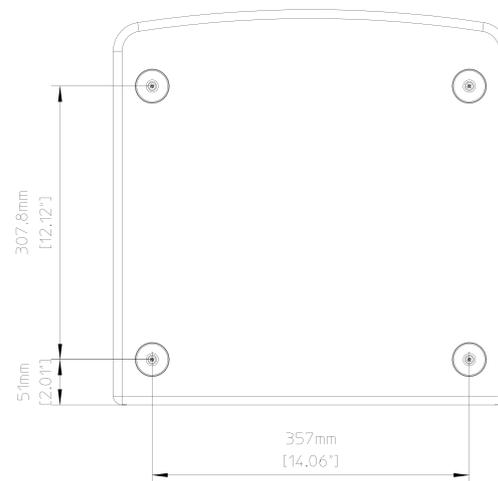
SIDE LEFT



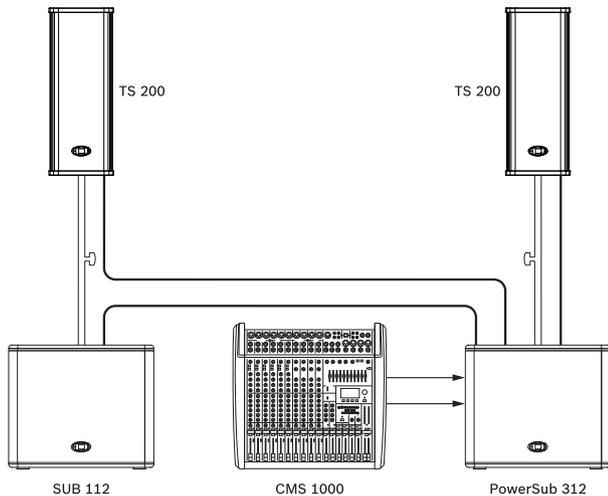
TOP



BOTTOM



Dimensions



Setup example (PowerSub 312 + SUB 112 + 2 x TS 200)

## Installation/configuration notes

### Warning!



We expressly point out that the relevant safety regulations must be observed for “flying” loudspeaker systems. It is imperative that qualified expert advice is sought.

### Warning!



This loudspeaker system can permanently damage hearing! Use extreme care when setting sound pressure levels!

### Warning!



Consult a certified structural engineer before any attempt to suspend this loudspeaker!

Loudspeaker can fall from improper suspension, resulting in severe injury and damage of property. Do not suspend or mount any other product or device from this loudspeaker enclosure! Use grade 5 hardware or better only!

## Ordering information

### PowerSub 312

1x 12-inch powered Subwoofer, Class-D Amping;  
800 W+2x250 W; 4 Ω+4 Ω

Order number **F.01U.100.835**