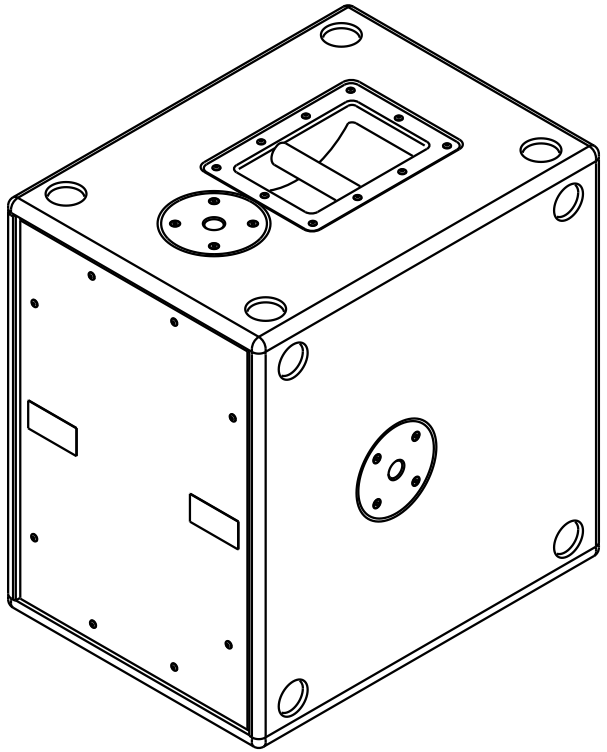
S08 dp

ACTIVE SUBWOOFER



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MANUALE D'USO - Sezione 1
USER MANUAL - Section 1
BEDIENUNGSANLEITUNG - Abschnitt 1
CARACTERISTIQUES TECHNIQUES - Section 1

CE Made in Italy

COD. 420120174

dB TECHNOLOGIES
THE SOUND OF EXPERIENCE

COMANDI E FUNZIONI (FIG.1)

1) **CONNETTORI INGRESSO " BALANCED INPUT 1" e " BALANCED INPUT 2"**
Connettori "XLR" di ingresso bilanciato a livello linea .

2) **CONNETTORI DI USCITA "OUT 1"e "OUT 2"**
I connettori "XLR" sono utilizzati per inviare il segnale audio ad un altro diffusore amplificato.
Il tipo di segnale è selezionabile tramite l'interruttore" LINK/XOVER" (10)

3) **INDICATORE LUMINOSO "LIMITER"**
Questo indicatore s'illumina di colore rosso per indicare l'intervento del circuito limitatore interno, il quale evita la distorsione dell'amplificatore e protegge gli altoparlanti da sovraccarichi.

4) **INDICATORE LUMINOSO "SIGNAL"**
Questo indicatore s'illumina di colore verde per indicare la presenza del segnale audio (ad un livello di -20dB).

5) **INDICATORE LUMINOSO "MUTE"**
Questo indicatore di colore giallo indica lo stato dell'amplificatore.
Nel normale funzionamento il led è spento.

6) **INDICATORE LUMINOSO "READY"**
Questo indicatore s'illumina di colore verde per indicare che la tensione di alimentazione di rete è corretta.
Nel normale funzionamento il led è acceso.

7) **CONTROLLO SENSIBILITA' INGRESSO "INPUT SENS"**
Questo controllo regola la sensibilità del segnale in ingresso all'amplificatore.
Tale controllo non influisce sul livello dell'uscita "OUT 1" e "OUT 2"

8) **SELETTORE "PHASE"**
Questo interruttore a due posizioni permette la rotazione di 180°del segnale audio riprodotto dal subwoofer.
La rotazione facilita l'ottimizzazione della riproduzione alle basse frequenze anche nelle situazioni di installazioni difficili. Completata l'installazione, riprodurre un brano musicale ed agire sull'interruttore per ottenere la migliore resa acustica alle basse frequenze.

9) **SELETTORE "XOVER"**
Questo interruttore permette di selezionare la frequenza di incrocio tra subwoofer e i diffusori collegati alle uscite "OUT 1" e "OUT 2". La scelta del taglio è legata al tipo di diffusore che si utilizza per la riproduzione delle frequenze medio-alte.
Per i diffusori con i coni a 12" è consigliabile utilizzare un taglio a 120Hz, mentre con i diffusori con coni da 15" usare un taglio a 90Hz.

10) **SELETTORE "LINK/XOVER"**
Questo interruttore permette di selezionare il segnale da rilanciare sulle uscite "OUT 1" e "OUT 2".
La posizione "LINK" permette di rilanciare lo stesso segnale di ingresso .
La posizione "XOXER" permette d' inviare il segnale di ingresso tagliato alla frequenza di incrocio selezionata tramite il selettore "XOVER" (9)

11) **PRESA DI ALIMENTAZIONE "MAINS INPUT"**
Consente la connessione del cavo di alimentazione e svolge la funzione di interruttore di rete .
Il connettore utilizzato per il collegamento alla rete è un POWER CON® (blu)

12) **PRESA DI ALIMENTAZIONE RILANCIO "MAINS OUTPUT LINK"**
Consente di rilanciare l'alimentazione di rete. L'uscita è connessa in parallelo con l'ingresso (11) e può essere utilizzata per alimentare un altro diffusore amplificato.
Il connettore utilizzato è un POWER CON® (grigio).

13) **PORTA FUSIBILE "MAINS FUSE"**
Alloggio per fusibile di rete.

DESCRIPTION

The DVA S08dp speaker is equipped with DIGIPRO® series class D amplifier.

These high-efficiency amplifiers deliver high output power in a compact size and low weight. Thanks to its high efficiency, the cooling of the amplifier module is obtained statically, thus avoiding the use of a fan.

The power supply circuit of the DIGIPRO® amplifier, assembled on DVA S08dp speaker, has been designed to work according to power supply voltage and to the SMPS (Switched-Mode Power Supplies) technology.

The DVA S08dp is an active subwoofers made of birch plywood, designed for medium to large size rooms in bass reflex design.

The speaker is designed for supported use

For easy use, installation and transport, all subwoofers are provided with:
- handle on the top
- standard (M20) pole mount plate on the top and on side

The DVA S08dp is designed to work in stereo and in mono mode. It is possible to set crossover frequency to 90Hz or 120Hz and adjustung the phase (0° or 180°).

The output signals (OUT 1,2) can be linked to the input signal or routed to X-OVER output.

CHARACTERISTICS

Cooling
The amplifier is cooled by means of the aluminum panel placed on the back of the speaker.

The thermal protection is ensured by an internal circuit which controls the temperature of the amplifier and protects this against any risk of overheating thus limiting the general volume (temperature >70°C).

If the temperature reaches the maximum operating temperature (>80°C), the audio signal is set to the "MUTE" position and it will be indicated by the switching on of the yellow "MUTE" LED.

The required volume and all functions will be restored automatically when the normal operating temperatures are reached.

Protection
When the yellow "MUTE" LED turns on, it means that a malfunction has been detected on the speaker, thus setting this to the mute position.

Perform the checks listed below:

- Check if the speaker is properly connected to the power supply.
- Make sure that the power supply is of correct voltage.
- Check that the amplifier is not overheated.
- Disconnect the speaker from the mains power supply, wait for a few minutes and connect it again.

If after these tests the yellow "MUTE" LED is still on, please contact an authorised service centre.

CONNECTIONS

Connecting to the mains supply

Each active speaker features its own power cable. Connection is done by a Neutrik POWER CON® (blue) model which permits easy and fast connection to the speaker as well as being an excellent locking system.

The same connector serves as a switch to turn ON and OFF the active loudspeaker by turning the connector to the left (OFF) or right (ON).

The active speaker must be connected to a power supply able to deliver the maximum required power.

Main power supply linking

On the rear of the speaker, a Neutrik POWER CON® connector (grey) offers linking the mains power supply.

This socket links the power supply to another speaker, thereby reducing the direct connections to the mains. Maximum amplifier input power is shown on the amplifier panel.

The maximum number of speakers connected together varies of max input power and of the maximum allowed current of the first power socket.

LOUDSPEAKER INSTALLATION

WARNING

Make sure that the loudspeaker is securely installed in a stable position to avoid any injuries or damages to persons or property.

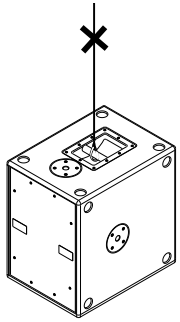
For safety reasons do not place one loudspeaker on top of another without proper fastening systems.

If you use the loudspeakers outdoors avoid places that are exposed to bad weather.

The loudspeaker is supplied by the manufacturer company for use in support

WARNING

Never use the handle to hang the speaker!



TECHNICAL SPECIFICATIONS

System	Active
Type of amplifier	Class D - DIGIPRO
RMS power	800W
Frequency response	40-150Hz (+/-3dB)
Crossover	90Hz - 120Hz selectable 24dB/oct
Sound pressure (max SPL)	131dB
Components	1x12" woofer - 3" voice coil
Input sensitivity	max -3dBu
Impedance input	Balanced 20Kohm Unbalanced 10Kohm
Power supply	Internally selectable 100-120Vac 50-60Hz 220-240Vac 50-60Hz
Housing shape	Rectangular
Color	Black
Dimension (WxHxD)	520x360x500mm
Weight	22Kg
Pole mount cup	2xM20 (aluminum)
Handle	1 (on top)

EMI CLASSIFICATION

According to the standards EN 55103 this equipment is designed and suitable to operate in E3 (or lower E2, E1) Electromagnetic environments.

CONTROLS AND FUNCTIONS (FIG.1)

1) " BALANCED INPUT 1" AND " BALANCED INPUT 2"INPUT CONNECTORS

Balanced inputs at line level. Accept "XLR" sockets.

2) "OUT 1 " AND "OUT 2 " OUTPUT CONNECTORS

The "XLR" connectors be used to send the input audio signal to another amplified speaker.

The output signal is selected by "LINK/XOVER" (10) switch.

3) "LIMITER" INDICATOR LIGHT

This indicator shows red to indicate that the internal limiter circuit has tripped.

This prevents amplifier distortion and protects the speakers against overloads.

4) "SIGNAL" INDICATOR LIGHT

This indicator shows green to indicate the presence of the audio signal (at a level of -20dB).

5) "MUTE" INDICATOR LIGHT

This yellow indicator indicates amplifier status.

The LED is off in normal operating conditions.

6) "READY" INDICATOR LIGHT

This indicator shows green to indicate that the main power voltage is correct.

The LED shows green normal operating conditions

7) "INPUT SENS" INPUT SENSITIVITY CONTROL

This control adjusts the sensitivity of the signal amplifier input.

This control does not affect the "OUT 1 " and "OUT 2 " outputs levels

8) "PHASE" SWITCH

This two-position switch permits reversing the audio signals phase of the subwoofer by 180°.

Reversing makes it easier to optimise the reproduction of the low frequencies even in the most difficult installation situations. After completing installation, play a music track and activate the switch to achieve the best sound reproduction at low frequencies.

9) "XOVER" SWITCH

This switch permits selecting the crossover frequency between the subwoofer and the speakers connected to the "OUT 1 " and "OUT 2 " outputs.

Choice depends on the type of speaker used for reproduction of mid-high frequencies.

For speakers with 12" cones, it is best to use 120Hz, while with 15" speakers 90Hz.

10) "LINK/XOVER" SWITCH

This switch allows to select the signal type to send "OUT 1 " and "OUT 2 " outputs.

The "LINK" position allows to link the same input signal.

The "XOVER" position allows to send input signal according to crossover frequency select by XOVER (9) switch.

11) "MAINS INPUT" POWER SOCKET

For connecting the power cable provided.

The connector used for mains connection is a POWER CON® (blue) socket

12) "MAINS OUTPUT LINK" POWER SOCKET

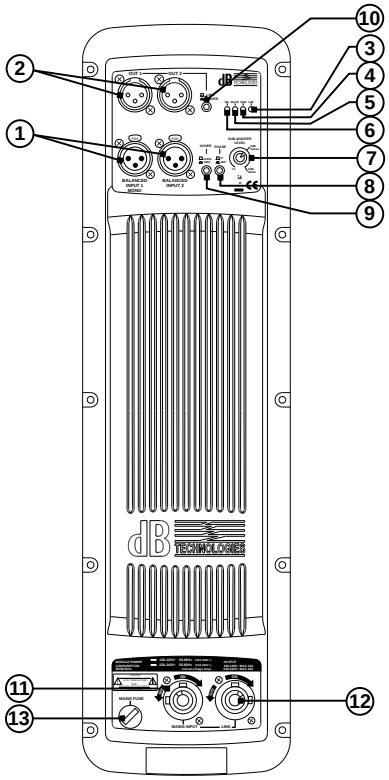
For linking the mains power. The output is connected in parallel with input (11) and can be used to power another active speaker.

The connector is a POWER CON® (grey) socket

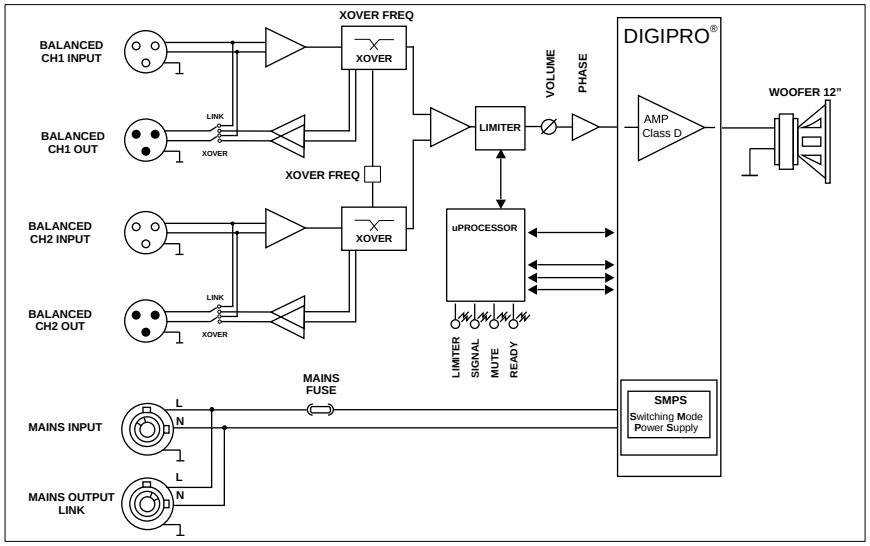
13) "MAINS FUSE" FUSE CARRIER

Mains fuse housing.

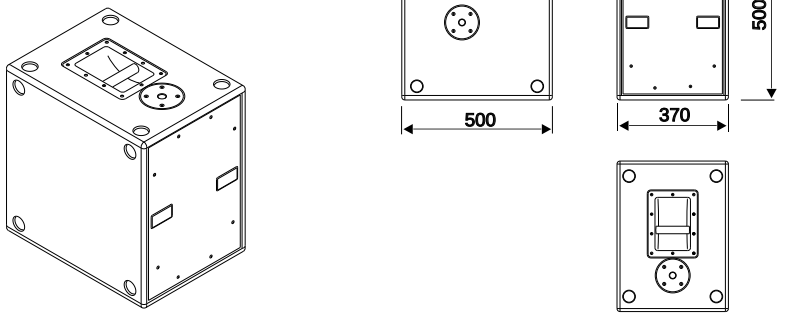
FIG.1 / ABB.1



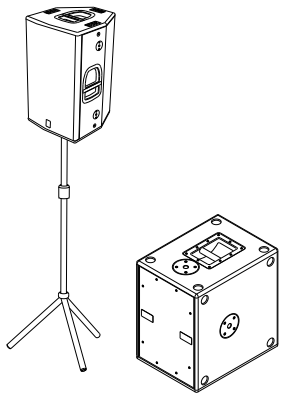
SCHEMA A BLOCCHI / BLOCK DIAGRAM
BLOCKSCHALTBILD / SCHEMAS FONCTIONNELS

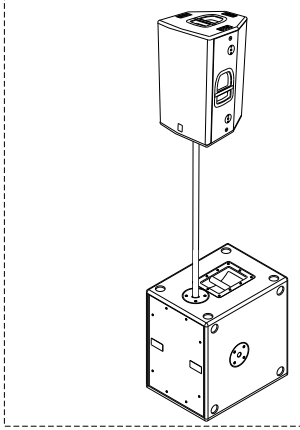


DIMENSIONI / DIMENSIONS
ABMESSUNGEN / DIMENSIONS

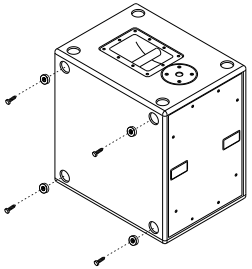


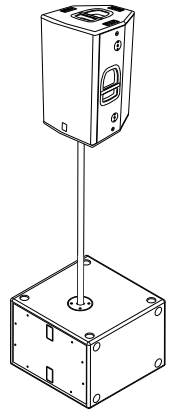
CONFIGURAZIONI e COLLEGAMENTI / CONFIGURATION and CABLE CONNECTIONS
KONFIGURATIONEN und VERKABELUNG / CONFIGURATIONS et CABLAGE





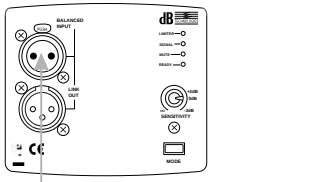
Nota: E' possibile montare 4 piedi in gomma sul fianco per utilizzo in appoggio (in dotazione)
Note: It is possible to mount 4 rubber feet on the side for bookshelf use (provided)
Anmerkung: Es ist moglich, 4 Gummifuße auf die Seite fur die Verwendung mit Stutze zu montieren (die Fuße werden von der Baufirma geliefert)
Note: Il est possible de monter quatre pieds caoutchouc sur le coté puor une utilisation en appui (en dotation)



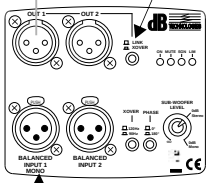


MONO

ACTIVE SPEAKER

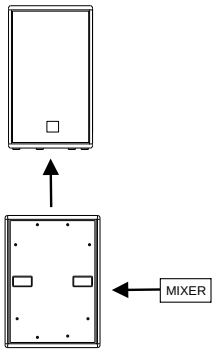


LINK
XOVER



ACTIVE SUBWOOFER

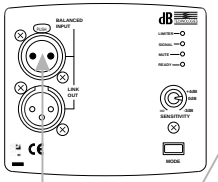
MIXER



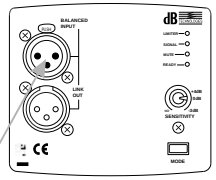
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STEREO

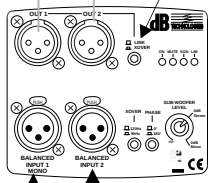
ACTIVE SPEAKER



ACTIVE SPEAKER



LINK
XOVER

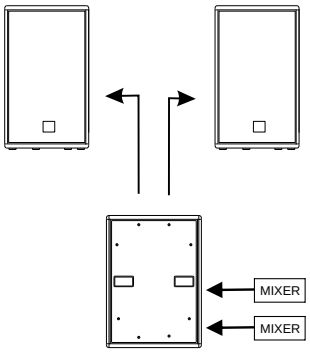


LINK
XOVER

ACTIVE SUBWOOFER

MIXER

MIXER

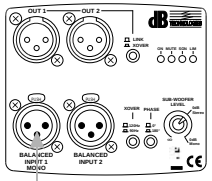


MIXER

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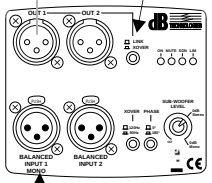
CONFIGURAZIONI e COLLEGAMENTI
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KONFIGURATIONEN und VERKABELUNG
CONFIGURATIONS et CABLAGE

MONO



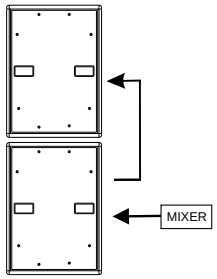
ACTIVE SUBWOOFER

LINK
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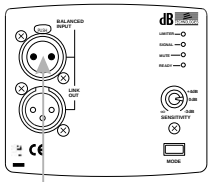
ACTIVE SUBWOOFER

MIXER



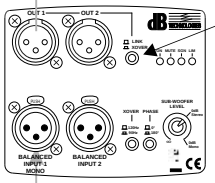
MIXER

MONO



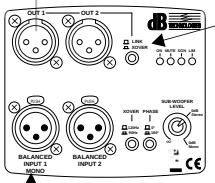
ACTIVE SPEAKER

LINK
XOVER



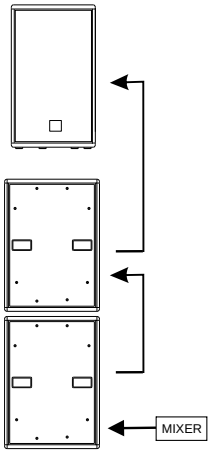
ACTIVE SUBWOOFER

LINK
XOVER



ACTIVE SUBWOOFER

MIXER



MIXER