

SubZero

SubZero

ACTIVE PA SPEAKER/SUBWOOFER
USER MANUAL

EN WARNING!

Do not open cover. No user-serviceable parts inside. Refer servicing to qualified service personnel.
Do not place the product in a location near a heat source such as a radiator, or in an area subject to direct sunlight, excessive dust, mechanical vibration or shock.
The product must not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the product.
No naked flame sources, such as lighted candles, should be placed on the product.
Allow adequate air circulation and avoid obstructing vents (if present) to prevent internal heat build-up. The ventilation must not be impeded by covering the appliance with items such as newspapers, table-cloths, curtains etc.

CZ VAROVÁNÍ!

Nezakrývejte. Uvnitř nejsou žádné součásti opravitelné uživatelem. S požadavkem na servis se obraďte na kvalifikovaného servisního oddělení.
Neumísťujte produkt v blízkosti zdroje tepla, jako je radiátor, nebo na místo s přímým slunečním světlem, nadměrným prašením, mechanickým vibracím nebo šokem.
Produkt nesmí přijít do kontaktu s vodou a žádné objekty naplněné tekutinami, jako například vázy, by neměly být umístěny na produkt.
Žádné zdroje otevřeného ohně, jako například svíčky, by neměly být umístěny na produkt.
Umožněte dostatečnou cirkulaci vzduchu a vyhýbejte se obstrukci ventilátorů (pokud jsou přítomné) pro předcházení interního přehřívání. Ventilace nesmí být narušena překrytím zařízení výrobky jako např. noviny, kuchyňské utěrky, záclony apod.

DK DVARSEL!

Dækslet må ikke åbnes. Ingen bruger-udskiftelige dele indeni. Overlad service til kvalificeret service personale
Placer ikke produktet i nærheden af varmekilder såsom en radiator eller i direkte sollys, meget støv, mekanisk vibration eller stød
Produktet må ikke udsættes for vand eller stænk, og ingen genstande fyldt med væsker, f.eks. vaser, må anbringes på produktet
Må ikke placeres nær åben ild, tændte stearinlys må ikke placeres på produktet
Vær sikker på at der er tilstrækkelig luftcirkulation og undgå at dække ventiler (hvis der er nogen) for at undgå at produktet bliver varmt. Ventilasjonen må ikke blokeres med overdækning af apparatet med genstande som aviser, duk, gardiner osv.

NL WAARSCHUWING!

Maak de behuizing niet open. Dit toestel bevat geen onderdelen die door de gebruiker kunnen worden vervangen. Laat onderhoud over aan bevoegd onderhoudspersoneel.
Plaats het product niet in de buurt van een hittebron of een radiëtoer in direct zonlicht of in een stofrijke omgeving, mechanische vibratie of schok.
Plaats het product niet in de buurt van spatende of lekkende voorwerpen gevuld met een vloeistof zoals bijvoorbeeld een vaas.
Er mogen geen open vlammen zoals aangestoken kaarsen op de apparatuur worden geplaatst.
Zorg om overhitting te voorkomen voor voldoende ventilatie en bellemmer ventilatieroosters niet. Bedek het product niet met dingen zoals kranen, tafellakens, gordijnen etc.

FI VAROITUS!

Älä avaa kanta. Ei sisällä käyttäjä-huollettavia osia. Huoltoa saa suorittaa vain pätevä huoltomies.
Älä sähityä tuotetta minkään kuumaan lähellä kuiten patteri tai suorassa auringonpaisteessa, pölysisessä, mekaanisessa värinässä tai iskussa
Tuotetta ei saa altistaa tipputalve tai loiskeille tai nesteitä sisältäviä tuotteita kuten maljako eivät saa olla tuotteen lähetyllä
Avotulia kuten syttyneitä kynttilä ei saa olla tuotteen päällä.
Salli riittävä ilmankierto ja vältä tuuletusaukkojen tukkiminen (jos sellaisia on olemassa) estämään sisäisen lämmön muodostumisen. Tuuletusta ei saa estää peittämällä laite esineillä, kuten sanomalehdillä, pöytäliinoilla, verhoilla jne.

FR ATTENTION!

Ne pas ouvrir le couvercle. Aucune pièce interne réparable par l'utilisateur. Confier la réparation à du personnel de réparation qualifié
Ne pas laisser l'appareil à proximité d'une source de chaleur telle qu'un radiateur, dans un endroit directement exposé aux rayons du soleil, trop poussiéreux, ou pouvant subir des chocs mécaniques
L'appareil ne doit pas être exposé aux gouttes d'eau et aux éclaboussures, et aucun objet rempli de liquide, tel qu'un vase, ne doit être posé dessus
Ne placer aucune source de flamme nue, telle qu'une bougie allumée, sur l'appareil
Assurer une circulation d'air suffisante et éviter d'obstruer les fentes (le cas échéant) afin d'éviter une surchauffe interne. La ventilation ne doit pas être bloquée en couvrant l'appareil avec des objets tels que des journaux, des nappes, des rideaux, etc.

DE WARNUNG!

Öffnen Sie nicht das Gehäuse. Im Inneren befinden sich keine vom Benutzer zu wartenden Teile. Überlassen Sie Wartungsarbeiten qualifiziertem Fachpersonal.
Stellen Sie das Produkt nicht an einen Ort in der Nähe einer Wärmequelle wie etwa eines Heizkörpers oder in einem Bereich mit direktem Sonnenlicht, übermäßigem Staub, mechanischen Vibrationen oder Stößen.
Schützen Sie das Produkt vor Tropfen oder spritzenden Flüssigkeiten, und stellen Sie keine mit Flüssigkeiten gefüllten Gegenstände wie Vasen auf das Produkt.
Öffene Feuerquellen wie Kerzen dürfen nicht auf dem Gerät abgestellt werden.
Sorgen Sie für eine ausreichende Luftzirkulation und vermeiden Sie, dass die Lüftungsschlitze (falls vorhanden) abgedeckt werden, um einen internen Wärmestau zu verhindern. Die Belüftung darf nicht durch Abdecken des Gerätes mit Gegenständen wie Zeitungen, Tischdecken, Vorhängen usw. blockiert werden.

IT AVVERTIMENTO!

Non aprire il coperchio. Se fosse necessario, riferirsi ad un esperto.
Non esporre il prodotto a fonti di calore, luce del sole diretta, polvere, vibrazioni meccaniche o altri possibili shock.
Non esporre il prodotto a perdite di liquido o a spruzzi. Non appoggiare nessun oggetto contenente acqua sul prodotto.
Non esporre il prodotto a fuoco, candele o oggetti simili.
Assicurarsi la circolazione dell'aria e non ostruire le ventole, se presenti, per evitare il surriscaldamento. La ventilazione non deve subire impedimenti dovuti a giornali, tovaglie, tende, ecc.

NO ADVARSEL!

Ikke åpne dekslet. Inneholder ingen deler som kan brukes. Overlat reparasjon til kvalifisert servicepersonell.
Ikke plasser produktet i nærheten av varmekilder som f.eks. en radiator, eller i områder som er utsatt for direkte sollys, mye støv, mekanisk vibrasjon eller støt.
Produktet må ikke utsettes for drypping eller sprutning, og gjenstander som er fylt med væsker, som f.eks. vaser, skal ikke plasseres på produktet.
Åpne flammer, som f.eks. tente lys, bør ikke plasseres på produktet.
Tillat tilstrækkelig luftcirkulasjon og unngå å blokkere ventiler (hvis tilstede) for å forhindre intern varmeoppsamling. Pass på at ventilasjon ikke hindres ved å unngå å dekke apparatet med ting som aviser, bordduker, gardiner osv.

PL OSTRZEŻENIE!

Nie otwieraj pokryw. W środku nie ma części nadających się do naprawy przez użytkownika. Prosimy pozostawić serwis dla wyszkolonego personelu.
Nie umieszczaj produktu w pobliżu źródła ciepła, np. grzejnika, lub w bezpośrednim świetle słonecznym, kurzu, czy mechanicznym wibracjom.
Produkt ten nie może być ekspozowany na kąpienie lub chłapanie, a przedmioty wypelnione płynami, takie jak wazy, nie powinny być na nim umieszczone.
Żródła otwartego ognia, takie jak np. świece, nie powinny być umieszczone na produkcie.
Należy zapewnić odpowiednią wentylację i uniknąć blokowania otworów wentylacyjnych, aby uniknąć niebezpiecznego wzrostu temperatury. Wentylacja nie powinna być utrudniana poprzez nakrywanie urządzenia gazetami, obrusami czy zasłonami.

PT ATENÇÃO!

Não abra a tampa. Não tente a reparação do instrumento por si. Dirija-se a pessoal qualificado
Não aproxime a uma fonte de calor excessivo ou exponha o produto à luz solar, poeira, vibração ou choque
Não mantenha o produto num local húmido ou perto líquidos como vasos, etc.
Não aproxime o produto a fontes de fogo vivo, como velas
Mantenha o produto num espaço suficientemente arejado de forma a evitar sobre-aquecimento. Não bloqueie a ventilação do instrumento, cobrindo-o com artigos como cortinas, toalhas de mesa ou jornais

SK VÝSTRAHA!

Neotvárajte kryty. Vo vnútri nie sú žiadne súčasti, ktoré sú opraviteľné užívateľom. S požiadavkou na servis sa obráťte na kvalifikovaného servisného strediska.
Nevyšťavujte produkt do blízkosti akéhokoľvek tepelného zdroja ako napr. radiátora, alebo do kontaktu so suchým žiarením, nadmerným prašením prostredím, mechanickým vibráciám alebo šokom.
Produkt nesmie prísť do kontaktu s vodou a žiadny objekt naplnený vodou, ako napr. váza, nesmie byť umiestnený na produkte.
Žiadne výrobky s otvoreným ohňom, ako napr. sviečky, by nemali byť umiestnené na produkte.
Umožnite dostatočnú cirkuláciu vzduchu a zabráňte obštrukcii ventilačných otvorov (ak sú prítomné) kvôli prevencii vnútorného prehrievania. Ventilácia nesmie byť narušená prekrytím zariadenia výrobkami ako napr. noviny, kuchynské utierky, záclony a pod.

SJ OPOZORILO!

Ne odpirajte pokrva. V notranjosti ni nobenih delov, ki jih uporabnik lahko sam popravlja. Popravilo prepustite usposobljenemu osebu
Ne postavljajte izdelka na lokaciji v bližini vira toplote, kot je radiator, ali na območje, ki je izpostavljeno neposredni sončni svetlobi, pretiranemu prahu, mehanskim tresljajem ali udarcem
Izdelek ne sme biti izpostavljen kapljanju ali brizganju in nobeni predmeti, napolnjeni z vodo, kot so vazе, se ne smejo postaviti na izdelek
Nobeneaga od vira odprtega ognja, kot so vžgane sveče, se ne sme postavljati na izdelek
Zagotovite zadostno krotnje zraka in umaknite ovire na odprtinah (če obstajajo), zaradi preprečevanja kopičenja notranje toplote. Ventilacija se ne sme ovirati s prekrivanjem naprave s predmeti, kot so časopisi, prti, zavese itn.

ES ¡ADVERTENCIA!

No abra la tapa. No intente reparar el aparato usted mismo. Llévelo a reparar por personal calificado.
No coloque el aparato cerca de fuentes de calor excesivo o donde esté expuesto a luz solar directa, golpes, vibraciones o polvo.
Evite lugares expuestos a humedad. No ponga objetos llenos de líquidos en la superficie de este aparato. No se deben colocar fuentes de llama desnudas, como velas encendidas, en la superficie de este aparato. Mantenga suficiente espacio alrededor del aparato para permitir una ventilación adecuada. No obstruya o tape las aberturas con objetos como periódicos, manteles, cortinas, etc.

SE VARNING!

Öppna ej locket. Inga användarvänliga delar inuti. För reparationer vänd er till kvalificerad servicepersonal
Ställ ej produkten vid en värmeälla t.ex elment, i direkt solljus, damm, elektronisk vibration eller shock.
Produkten bör ej bli utsatt för droppande eller stänk och inga objekt fyllda med vätskor som t.ex vaser skall ställas på produkten.
Ingen källa till öppna flammor som t.ex tända ljus bör placeras på produktens.
Tillåt tillräcklig luftcirkulation och blockera ej eventuella ventiler för att undvika intern överhettning. Ventilen bör ej täckas av föremål såsom tidningar, dukar, gardiner etc.

INTRODUCTION

Thank you for purchasing the Subzero D Series Speaker/Subwoofer. To get the most out of your product, please read this manual carefully.

BOX CONTENTS

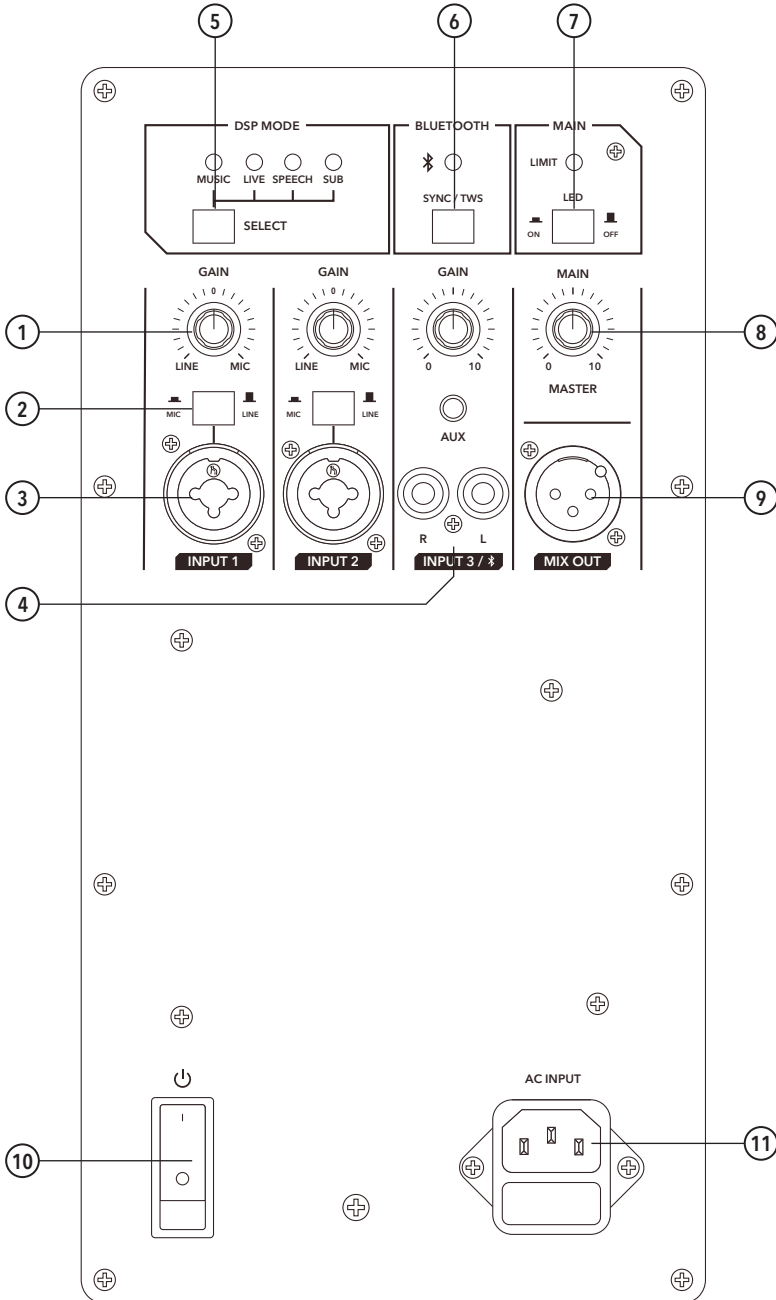
- 1 x Subzero SZS DSP Active Speaker/Active Subwoofer
- 1 x UK IEC Mains Lead
- 1 x EU IEC Mains Lead
- 1 x Manual

PRODUCT FEATURES

- 4 x DSP settings (Mid/ High cabinet only)
- 3 x Input Channels (Mid/High cabinet only)
- Bluetooth/TWS connectivity (Mid/High cabinet only)
- Class D amplifier (Both)
- Shape contour function for improved bass performance (Subwoofer only)
- Phase reverse function for when using multiple speakers (Subwoofer only)

FUNCTIONS

D8 / D10 / D12 / D15



FUNCTIONS

D8 / D10 / D12 / D15

1. INPUT LEVEL

This controls the input gain or volume of the signal coming into the speaker and allows you to adjust the volume of your microphone, instrument, or audio source.

2. MIC/LINE IN SELECTOR

This switch allows you to choose the signal level at the input. When pressed, it sets to microphone level. This is important for matching the input level to the source. When released, it sets the input to line level.

3. COMBI INPUT

These are input jacks that can accept both XLR and 6.35mm (1/4") jack connectors. They can be used for line or microphone level signals, making the speaker versatile for various audio sources.

4. SIGNAL INPUT

This input is designed for RCA phono and AUX 3.5mm cables connectivity. It provides flexibility for connection of different types of audio sources.

5. MODE

This feature toggles the built-in digital signal processor between different settings to adjust the sound characteristic. The indicator LEDs show which setting is selected, with options such as [MUSIC], [LIVE], [SPEECH] and [SUB] (when used in conjunction with a subwoofer). See page 8 for ore info.

6. BLUETOOTH/ TWS PAIR BUTTON

This button is used to set up pairing with Bluetooth-capable devices like mobile, tablets, and laptops. It allows you to stream audio wirelessly to the speaker. True Wireless Stereo™ (TWS) means that you can connect two speakers without any wires between them to create a stereo sound system. (see further information on page 08)

7. LED SWITCH

This switch controls the LED indicator light on the speaker. When pressed, it turns the LED lights on, and when released, it turns them off. This feature is often used to conserve power or reduce visual distractions during performances.

8. MASTER VOLUME CONTROL

The master volume controls the overall level or power of the speaker.

9. MIX OUT

This is a male XLR-type connector that produces a processed mix of both Mic/Line Inputs. It can be used to daisy-chain several active speakers together, allowing you to connect multiple speakers in a chain for larger sound setups.

10. POWER SWITCH

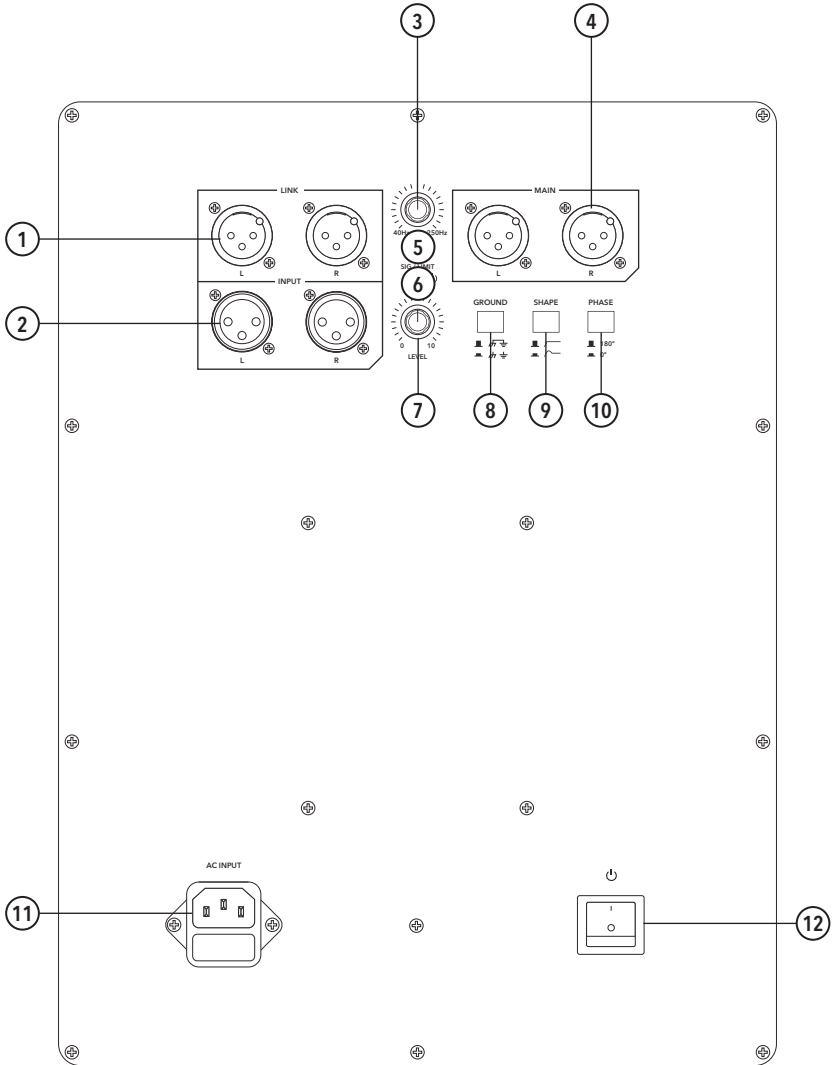
This is the main power switch for the speaker. Switching it up turns the speaker on, and switching it down turns it off. Please make sure the level control is down before turning the speaker on, to prevent sudden loud noises when the speaker is powered up.

11. IEC SOCKET WITH FUSE HOLDER

This is the power input for the speaker and uses a standard IEC power cable for connection.

FUNCTIONS

D12S / D15S / D18S



FUNCTIONS

D12S / D15S / D18S

1. Link Outputs

These are balanced XLR sockets connected in parallel to the inputs. They allow you to link or daisy-chain another device, such as an additional active speaker system, for extended sound coverage.

2. INPUT

Connect audio units with line-level output, like mixers or preamplifiers. These connections provide the input for the subwoofer.

3. Crossover Frequency Control

This function lets you adjust the upper crossover frequency of the low-pass filter. You can fine-tune the frequency range from 40 Hz to 250 Hz to match the subwoofer's performance with other speakers.

4. HIGH PASS OUT

This provides a high-pass filtered line output in the frequency range of 80 Hz to 18 kHz. It's used for connecting active top speakers, ensuring that the subwoofer handles the low frequencies, and the top speakers handle the mid and high frequencies.

5. SIGNAL/LIMIT

This indicator serves as a signal input indicator, lighting up blue when a signal is present and then turning red when the input signal level is too high. The limiter function will then reduce the signal level to protect the speakers. If the LED frequently lights up red, it's a clear indication to reduce the volume of the input signal.

6. Power Indicator

This LED indicator shows whether the subwoofer is powered on (ON) or not.

7. SUB LEVEL

Use this control to adjust the level or volume of the subwoofer to match the desired sound output.

8. GROUND LIFT SELECTOR SWITCH (GND)

When engaged, this switch separates the signal ground from the housing ground. It can help eliminate unwanted mains related noise.

9. SHAPE

This switch allows you to enable or disable a bass boost, altering the bass response to suit your preferences.

10. PHASE

This switch provides the option to change the phase of the subwoofer from 0° to 180°. It's useful when multiple speakers are operated in parallel, ensuring that they are in phase with each other.

11. POWER SWITCH

This is the main power switch for the subwoofer. Switching it up turns the subwoofer on, and switching it down turns it off. Please ensure the level control is down before turning it on to avoid sudden loud noises during startup.

12. IEC SOCKET WITH FUSE HOLDER

This is where you plug the IEC power cable into the subwoofer. In case of a fuse burnout, it's crucial to ensure the unit is turned off and disconnected from the AC outlet before replacing the fuse to prevent the risk of fire and damage to the unit. This socket includes a fuse holder for safety.

BLUETOOTH/ TWS OPERATION

BLUETOOTH

Press the button and the led flashes blue to indicate the unit is in Bluetooth pairing mode. Connect your Bluetooth enabled device as per its operating instructions. Once connected the LED will stay illuminated blue.

TWS (TRUE WIRELESS STEREO)

Hold the button for 2 seconds on the main unit and the led flashes blue to indicate it is looking for a second unit to pair with. On the second unit also hold the Bluetooth/TWS button until it flashes blue. After a few seconds the units will pair automatically and both pair led will stay illuminated.

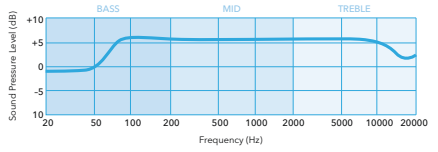
Note: If you wish to use the TWS function and Bluetooth at the same time connect the two units via TWS first and then connect your Bluetooth device to the main unit as normal.

DSP MODES

SPEECH



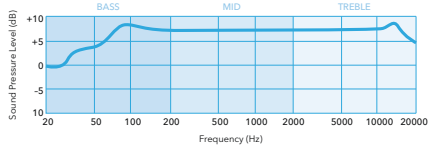
Tailored for speech clarity, this mode attenuates low-frequency vocal resonance, boosts high frequencies critical for intelligibility.



MUSIC



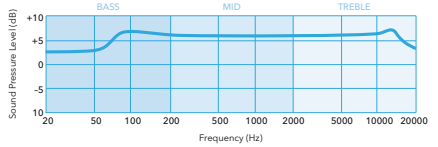
This mode caters to DJ and music playback applications, offering a full-range audio experience with an emphasis on pronounced bass and brilliant high frequencies.



LIVE



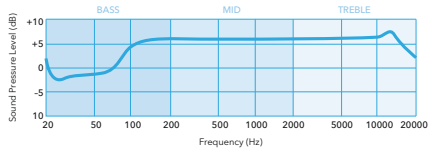
Cut through audiences for a pronounced sound, with a slight low-end boost to add 3D depth.



SUB



In this mode, low-end frequencies are subtly rolled off, providing approximately 3dB of additional output. Ideal for situations where the speaker is outputting the signal to a subwoofer.



SPECIFICATIONS

D8

Model	SZS-D8-MK2
Type	Active PA Speaker
Frequency response	80Hz-19kHz
Power output (RMS/peak)	200W/400W
Amplifier Type	Class D
Coverage Angle	90°x60°
Max.SPL (Peak)	120dB
LF transducer	8"Woofer 1.5"Voice coil
HF transducer	1"Exit-1"Compression Driver
Crossover frequency	2.8KHz
Pole Socket	35mm with 1-way feature (0°)
Connectors Input	Input:2XCombo (XLR/Jack 6.35 mm)/1XRCA stereo/1 X 3.5mm stereo mini jack/Bluetooth
Connectors Output	Output:XLR
Dimensions (WxHxD):	270×425×252 mm
Weight	6.5kg
Input Power	220-240VAC, 50/60Hz
Power Consumption	243W (±10)
Fuse	T1.6a 250V

D10

Model	SZS-D10-MK2
Type	Active PA Speaker
Frequency response	65Hz-19kHz
Power output (RMS/peak)	200W/400W
Amplifier Type	Class D
Coverage Angle	90°x60°
Max.SPL (Peak)	122dB
LF transducer	10"Woofer 1.5"Voice coil
HF transducer	1"Exit-1"Compression Driver
Crossover frequency	2.8KHz
Pole Socket	35mm with 1-way feature (0°)
Connectors Input	Input:2XCombo (XLR/Jack 6.35 mm)/1XRCA stereo/1 X 3.5mm stereo mini jack/Bluetooth
Connectors Output	Output:XLR
Dimensions (WxHxD):	290x495x283 mm
Weight	7.5kg
Input Power	220-240VAC, 50/60Hz
Power Consumption	243W (±10)
Fuse	T1.6a 250V

SPECIFICATIONS

D12

Model SZS-D12-MK2

Type Active PA Speaker

Frequency response 53Hz-19kHz

Power output
(RMS/peak) 300W/600W

Amplifier Type Class D

Coverage Angle 90°x60°

Max.SPL (Peak) 124dB

LF transduce 12"Woofer 2"Voice coil

HF transduce 1"Exit-1"Compression Driver

Crossover
frequency 2.6KHz

Pole Socket 35mm with 1-way feature (0°)

Connectors Input Input:2XCombo (XLR/Jack 6.35 mm)/1
XRCA stereo/1 X 3.5mm stereo mini
jack/Bluetooth

Connectors Output Output:XLR

Dimensions (WxHxD) 350x595x348 mm

Weight 12.5kg

Input Power 220-240VAC, 50/60Hz

Power Consumption 243W (±10)

Fuse T1.6a 250V

D15

Model SZS-D15-MK2

Type Active PA Speaker

Frequency response 46Hz-19kHz

Power output
(RMS/peak) 300W/600W

Amplifier Type Class D

Coverage Angle 90°x60°

Max.SPL (Peak) 126dB

LF transducer 15"Woofer 2"Voice coil

HF transducer 1"Exit-1"Compression Driver

Crossover
frequency 2.6KHz

Pole Socket 35mm with 1-way feature (0°)

Connectors Input Input:2XCombo (XLR/Jack 6.35
mm)/1XRCA stereo/1 X 3.5mm stereo
mini jack/Bluetooth

Connectors Output Output:XLR

Dimensions (WxHxD): 418x685x379 mm

Weight 15kg

Input Power 220-240VAC, 50/60Hz

Power Consumption 243W (±10)

Fuse T1.6a 250V

SPECIFICATIONS

D12S

Model SZS-D12S-MK2
Type Active PA Subwoofer
Frequency response 50Hz-250Hz
Power output (RMS) 350W
Amplifier Type Class D
Max.SPL (Peak) 119dB
LF transducer 12"Woofers 3"Voice coil
Cabinet material 15 mm MDF
Cabinet surface Polyurea
Connectors input Output:XLR
Connectors Output Output:XLR
Dimensions (WxHxD) 550x510x610mm
Weight: 21kg
Input Power 220-240VAC, 50/60Hz
Power Consumption 411W (± 10)
Fuse T1.6a 250V

D15S

Model SZS-D15S-MK2
Type Active PA Subwoofer
Frequency response 40Hz-250Hz
Power output (RMS) 400W
Amplifier Type Class D
Max.SPL (Peak) 120dB
LF transducer 15"Woofers 3"Voice coil
Cabinet material 15 mm MDF
Cabinet surface Polyurea
Connectors input Output:XLR
Connectors Output Output:XLR
Dimensions (WxHxD) 550x550x670 mm
Weight: 24kg
Input Power 220-240VAC, 50/60Hz
Power Consumption 411W (± 10)
Fuse T1.6a 250V

SPECIFICATIONS

D18S

Model SZS-D18S-MK2

Type Active PA Subwoofer

Frequency response 35Hz-250Hz

Power output (RMS) 450W

Amplifier Type Class D

Max.SPL (Peak) 122dB

1F transducer 18"Woofer 3"Voice coil

Cabinet material 15 mm MDF

Cabinet surface Polyurea

Connectors input Output:XLR

Connectors Output Output:XLR

Dimensions (WxHxD) 580x570x720mm

Weight 27kg

Input Power 220-240VAC, 50/60Hz

Power Consumption 411W (± 10)

Fuse T1.6a 250V

