

# SubZero

## PORTABLE BLUETOOTH PA SYSTEM



USER MANUAL  
SZPA-P88 / SZPA-P810



**PORTABLE  
BLUETOOTH  
PA SYSTEM**



## 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, tablecloths, curtains etc.  
The mains plug is used to disconnect the appliance from the mains supply. Ensure that the mains outlet is easily-accessible and remove the plug from the mains outlet if you notice any abnormality with the appliance.

## VAROVÁNÍ!

Nezakrývejte. Uvnitř nejsou žádné součásti opravitelné uživatelem. S požadavkem na servis se odkažte na kvalifikované servisní oddělení.  
Neumísťujte produkt v blízkosti zdroje tepla, jako je radiátor, nebo na místo s přímým slunečním světlem, nadměrným prášením, 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 vyhněte se obstrukci ventilátorů (pokud jsou přítomné) pro předehřítí interního přehřívání. Ventilace nesmí být narušena překrytím zařízení výrobky jako např. noviny, kuchyňské utěrky, záclony apod.  
Hlavní kabel umožňuje odpojit zařízení od elektriny. Ujistěte se, že hlavní napájecí výstup je snadno dostupný a odpojte kabel pokud zaznamenáte jakoukoliv abnormalitu na zařízení.

## ADVARSEL!

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, mekaniske vibrationer 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 undgår at dække ventiler (hvis der er nogen) for at undgå at produktet bliver varmt. Ventililationen må ikke blokeres med overdækning af apparatet med genstande som aviser, dug, gardiner osv.  
Stikket bruges til at afbryde apparatet fra strømmen. Sikre at stikkontakten er let tilgængelige, og fjern stikket fra stikkontakten, hvis du bemærker noget unormalt med apparatet.

## 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 zoals een radiator of in een 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 ventilatorroosters niet.  
Bedeck het product niet met dingen zoals kranten, tafellakens, gordijnen etc.  
De stekker van dit apparaat wordt gebruikt om het apparaat aan en uit te zetten. Zorg ervoor dat het stopcontact gemakkelijk bereikbaar is en haal de stekker uit het stopcontact als u enige onregelmatigheid ondervindt.

## VAROITUS!

Älä avaa kanta. Ei sisällä käyttäjä-huollettavia osia. Huollot saa suorittaa vain pätevät huoltomies.  
Älä säilytä tuotetta minkään kuumaa lähellä kuten patteri tai suorassa auringonpaisteessa, pölyisessä, mekaanisessa värinässä tai iskussa  
Tuotetta ei saa altistaa tippuvallalle tai loiskeelle tai nesteitä sisältäviä tuotteita kuten maljakko eivät saa olla tuotteen lähetyksillä  
Avotulia kuten sytytetty 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.  
Verkkovirtapistoketta käytetään irrottamaan laite verkkovirrasta. Varmista, että pistorasias on helposti saatavilla ja irrota pistotulppa pistorasiasista, jos havaitset jotain epänormaalia laitteessa.

## 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  
Assurez une circulation d'air suffisante et évitez 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.  
La prise secteur est utilisée comme dispositif de débranchement. La prise murale doit être facile d'accès, et en cas d'anomalie de l'appareil, débrancher la prise de courant au niveau de la prise murale.

## 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 tropfenden oder spritzenden Flüssigkeiten, und stellen Sie keine mit Flüssigkeiten gefüllten Gegenstände wie Vasen auf das Produkt.  
Offene 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.  
Der Netzstecker dient zum Trennen des Gerätes vom Netz. Vergewissern Sie sich, dass die Steckdose leicht zugänglich ist, und ziehen Sie den Stecker aus der Steckdose, wenn Sie eine Anomalie mit dem Gerät bemerken.

## 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.

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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.  
La spina principale viene utilizzata per disconnettere il prodotto dalla principale fonte di energia. Assicurarsi che la spina sia facilmente accessibile e disconnettere l'unità nel caso si notassero dei difetti di funzionamento.

## 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 sprutting, 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 tilstrekkelig luft sirkulasjon 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, bordduger, gardiner osv.  
Stikkontakten brukes til å koble apparatet fra strømforsyningen. Forsikre deg om at stikkontakten er lett tilgjengelig og ta støpelet ut av stikkontakten hvis du oppdager uregelmessigheter under bruk av apparatet.

## OSTRZEŻENIE!

Nie otwierać pokrywy. W środku nie ma części nadających się do naprawy przez użytkownika. Prosimy pozostawić serwis dla wyszkolonego personelu.  
Nie umieszczać produktu w pobliżu źródła ciepła, np. grzejnika, lub w bezpośrednim świetle słonecznym, kurzu, czy mechanicznym wibracjom.  
Produkt ten nie może być ekspozowany na kapanie lub chlapanie, a przedmioty wypełnione płynami, takie jak wazy, nie powinny być na nim umieszczane.  
Źródła otwartego ognia, takie jak np. świece, nie powinny być umieszczone na produkcie.  
Należy zapewnić odpowiednią wentylację i unikać blokowania otworów wentylacyjnych, aby uniknąć wewnętrznej wzrostu temperatury. Wentylacja nie powinna być utrudniana poprzez nakrywanie urządzenia gazetami, obrusami czy zasłonami.  
Wtyczka sieciowa służy do odłączenia urządzenia od zasilania sieciowego. Należy upewnić się, że gniazdo sieciowe jest łatwo dostępne, a w razie wystąpienia nieprawidłowości w funkcjonowaniu urządzenia odłączyć je od zasilania sieciowego.

## 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  
O transformador é utilizado para conectar e desconectar o artigo da principal fonte de energia.  
Certifique-se que a ficha é facilmente acessível e que o artigo está devidamente ligado à corrente se detectar alguma anomalia com o funcionamento

## VÝSTRAHA!

Neotvárajte kryt. Vo vnútri nie sú žiadne súčasti, ktoré sú opraviteľné užívateľom. S požiadavkou na servis sa obráťte na kvalifikované servisné stredisko.  
Nevystavujte produkt do blízkosti akéhokoľvek tepelného zdroja ako napr. radiátora, alebo do kontaktu so slnečným žiarením, nadmerným prášením prostredím, mechanickým vibráciám alebo šokom.  
Produkt nesmie prísť do kontaktu s vodou a žiadny objekt naplnený vodou, ako napr. váza, nesmie byť umiestnený na produkt.  
Žiadne výrobky s otvoreným ohňom, ako napr. sviečky, by nemali byť umiestnené na produkt.  
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.  
Hlavný kábel umožňuje odpojiť zariadenie od elektriny. Uistite sa, že hlavný napájací výstup je ľahko dostupný a odpojte kábel ak zaznamenáte akúkoľvek abnormalitu na zariadení.

## OPOZORILO!

Ne odpirajte pokrova. V notranjosti ni nobenih delov, ki jih uporabnik lahko sam popravlja. Popravilo prepustite usposobljenemu osebuju  
Ne postavljajte izdelka na lokacijo 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 vaze, se ne smejo postaviti na izdelek  
Nobeneha od virov odprtega ognja, kot so vžgane sveče, se ne sme postavljati na izdelek  
Zagotovite zadostno kroženje zraka in umaknite ovire na odprtinah (če obstajajo), zaradi preprečevanja kopičenja notranje toplote. Ventilacija se ne sme ovirati s prekrievanjem naprave s predmeti, kot so časopisi, prti, zavese itn.  
Omrežni vtič se uporablja za izklop naprave iz električnega omrežja. Poskrbite, da je omrežna vtičnica zlahka dostopna in izvlecite vtič iz vtičnice, če opazite kakršno koli nepravilnost pri napravi.

## ¡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 desnuda, 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.  
El enchufe se utiliza para desconectar el producto de la corriente. Si nota algún defecto, desconéctelo de la toma de corriente.

## VARNING!

Öppna ej locket. Inga användarvänliga delar inuti. För reparationer vänd er till kvalificerad servicepersonal  
Ställ ej produkten vid en värmekälla t.ex element, 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 produkten.  
Tillåt tillräcklig luftcirkulation och blockera ej eventuella ventiler för att undvika intern överhettning.  
Ventilen bör ej täckas av föremål såsom tidningar, dukar, gardiner etc.  
Nätkontakten används för att koppla bort apparaten från eluttaget. Se till att eluttaget är lättåtkomligt och avlägsna kontakten från eluttaget om du upptäcker något abnormalt med produkten.

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## INTRODUCTION

Thank you for purchasing the SubZero 15" Active Floor Monitor. To help you get the most out of your new product, please read this manual carefully.

The SZPA-P88/P810 is a live performance PA system with a removable 8-channel mixer, which includes a powerful class D amplifier.

The mixer unit includes a digital media player with USB, SD card and Bluetooth connections, as well as additional outputs for monitors and subwoofers.

# CONTROLS & FUNCTIONS



## 1. AC IN JACK

Connect the included power cord here.

### CAUTION!

Be sure to use the included power cord. Use of other cords may result in malfunction, heat generation, or fire.

## 2. POWER SWITCH

For turning the power to the mixer on and off.

## 3. FUSE

220V: T2A-250V

## 4. SPEAKERS L/R CONNECTORS (for included speakers only)

These output the mixed signal channels from 1 to 7/8, and the level is adjusted with the MASTER LEVEL control. Connect only the included speakers.

Tip: + positive speaker terminal  
Sleeve: - negative speaker terminal

## 5. MONITOR OUT L (MONO)/R CONNECTORS

These output the mixed signal channels from 1 to 7/8, and the level is adjusted with the MONITOR OUT control. These connectors are convenient for connecting an external powered speaker for monitoring purposes.

Tip: + positive or "hot"  
Sleeve: shield or ground

## NOTE:

When L (MONO) output signal is inserted alone without R output signal, the L (MONO) output signal is the sum of both left and right signals.

## 6. SUB OUT

Used to connect an active bass speaker box.  
Tip: + positive or "hot"  
Sleeve: shield or ground

## 7. XLR CHANNEL INPUTS (CH 1 and 2)

For connecting a balanced or unbalanced microphone, keyboard or other instrument device. Set the MIC/LINE switch to MIC or LINE for channels 1 and 2, depending on the level of the input signal. XLR-type connectors are wired as follows: pin 1: ground, pin 2: hot(+), and pin 3: cold(-).

## 8. XLR/TRS/TR CHANNEL INPUTS (CH 3 and 4)

For connecting a balanced or unbalanced microphone, keyboard or other instrument device. Set the MIC/LINE switch to MIC or LINE for channels 3 and 4, depending on the level of the input signal. XLR-type connectors are wired as follow: pin 1: ground, pin 2: hot(+), and pin 3: cold(-). TR-type connectors Tip:"hot" (+), Sleeve: ground.

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**9. TRS/RCA STEREO CHANNEL INPUT CONNECTOR (CH 5/6)**

Input the left and right channels of a stereo signal into the respective odd and even channels of the mixer. These inputs are intended mainly for use with instruments and equipment having stereo outputs, such as a synthesizer or CD player. If you have a mono line instrument or device, use the left channel connector with TR jacks.

**10. RCA STEREO CHANNEL INPUT CONNECTOR (CH 7/8)**

Input the left and right channels of a stereo signal. These inputs are intended mainly for use with CD/MP3 players and DJ's surfaces.  
*NOTE:*

The RCA Stereo Channel (CH 7/8) will only work if LINE is selected by repeatedly pressing the MODE button on the Media Player until the display shows 'LINE'.

**11. MIC/LINE SWITCH**

Set this switch to MIC or LINE for channels 1 to 4, depending on the level of the input signal. Set the switch to the LINE (■) position.

*CAUTION!*

To avoid damage to speakers, be sure to turn off amplifiers (or powered speakers) before setting this switch to MIC or LINE. We also recommend that you turn the MASTER LEVEL control to the minimum setting before operating the switch, to avoid excessively loud noises that could cause hearing loss or device damage.

**12. PHANTOM POWER SWITCH**

If you are using a condenser microphone, please connect it to either input 1 and/or 2 and press the PHANTOM POWER button to the ON position.

*CAUTION!*

Be sure to leave this switch OFF if the device or instrument that you are using does not require phantom power. When using phantom power, do not connect any devices other than condenser microphones to the XLR input jacks. Other devices may be damaged if connected to phantom power.

**13. EQUALIZER**

HIGH: Determines the level of the high frequency band for each channel.  
LOW: Determines the level of the low frequency band for each channel.

**14. FX CONTROL**

Adjust this knob to set the level of the Reverb.

**15. MEDIA PLAYER CONTROLS**

MODE: Press this button repeatedly to cycle through Line, USB and Bluetooth music sources  
PLAY/PAUSE: Press this button to toggle between play and pause while using Bluetooth  
FORWARD/BACKWARD: Press briefly to skip to the next/previous track while using Bluetooth or USB. Press and hold to adjust volume for Bluetooth, Line and USB modes.

**15. MEDIA PLAYER**

To play music via the CH 7/8 input, select LINE. The display shows the 'Aux' symbol and the word 'LINE'. To play music from a USB storage device, insert the device into the USB socket and the music will begin to play. There's no need to select USB mode first. The display will show the USB symbol and the elapsed track time. The play/pause and forward/backward buttons can be used to control the playback. To play music over Bluetooth from your phone, select Bluetooth mode. The Bluetooth symbol will be displayed. If you haven't previously paired your phone with the player, the display will be flashing 'bt'. Go to the Bluetooth settings on your phone and make sure it's scanning for available devices. The player will show up as 'Bluetooth' in your phone's list of available devices. Select this item to pair with it and connect automatically. Once your phone has connected with the player, the 'bt' will stop flashing. The play/pause and forward/backward buttons can be used to control the playback.

**16. USB CONNECTOR**

Use this port to connect a USB drive or device.

**17. LEVEL CONTROL**

*CAUTION!*

Use these controls to adjust the volume balance among the various channels. To reduce noise, set any LEVEL controls on unused channels to the minimum.

**18. SPEECH/MUSIC SWITCH**

Set this switch to VOICE (■) to optimize the mixer settings and sound quality for speech purposes and announcements. Set this to MUSIC (■) to optimize the mixer for musical performance.

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**19. MONITOR OUT CONTROL**

Determines the signal level output from the MONITOR OUT connectors.

*NOTE:*

The MASTER LEVEL control does not affect the signal via the MONITOR OUT control.

**20. FX CONTROL**

Delay controls the amount of effect sent to each channel. FB controls the speed of the delay repetitions.

**21. LEVEL METER**

**22. POWER INDICATOR**

This lights when the POWER switch is ON. When the indicator flashes, the protection circuit is operating. Check that the speaker cable is correctly connected to the mixer and reapply the power.

**23. MASTER LEVEL CONTROL**

Controls the main output volume.

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## REMOVING THE MIXER

1. Please ensure power to the mixer has been turned off.
2. Use a screwdriver to turn the screw on the mixer from LOCK to OPEN until it clicks.
3. Securely hold the mixer's handles to remove it from the speaker enclosure.

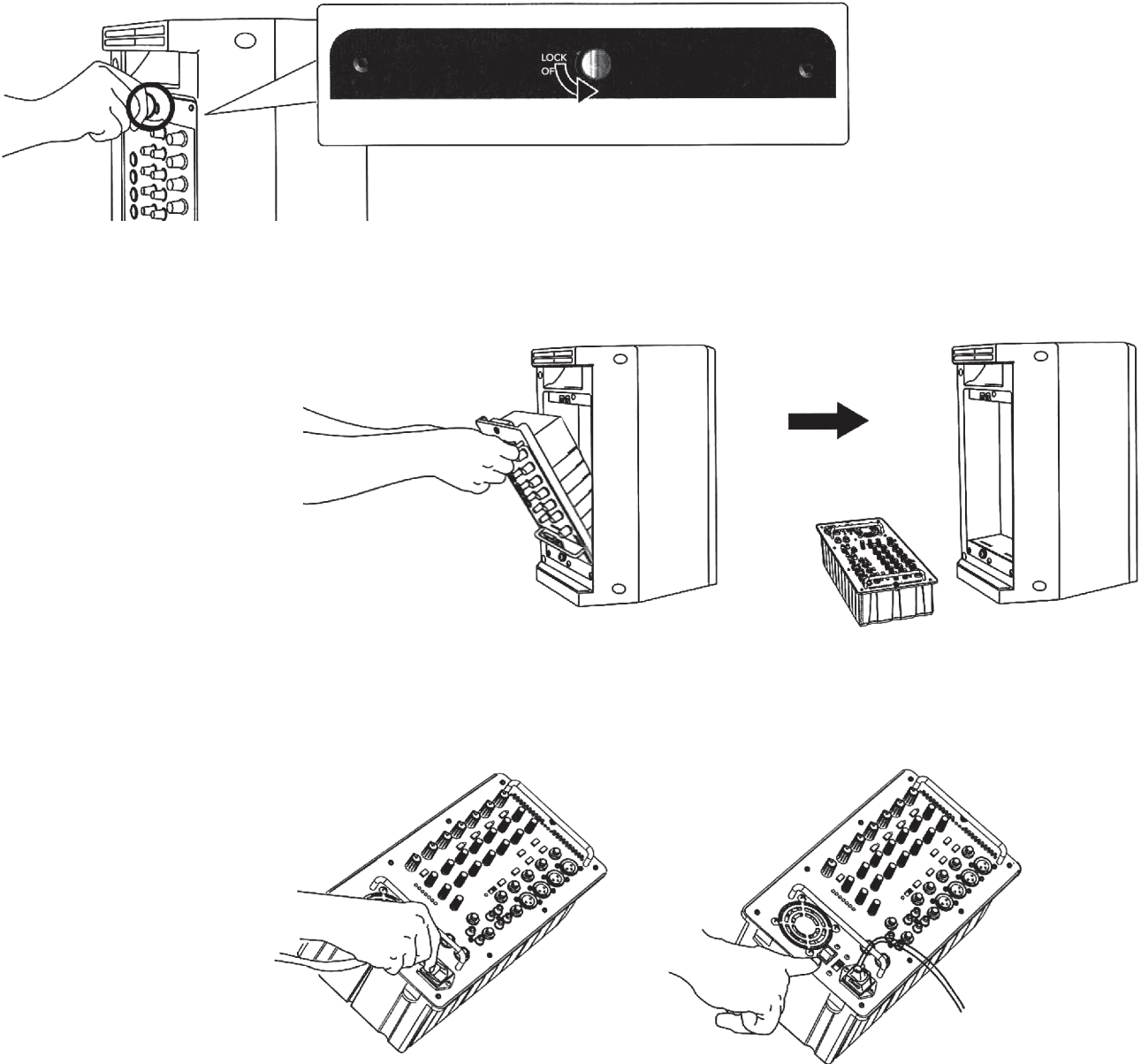
### NOTE:

The mixer can also be used when installed in the speaker.

When you install the mixer into the speaker, make sure to match the indentations on the speaker cabinet to the corresponding parts on the mixer, and then turn the screw from OPEN to LOCK until it clicks.

### CAUTION!

Please only use the mixer handles when transporting or moving the mixer unit.



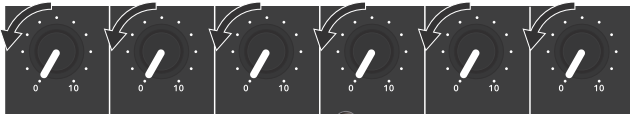


# QUICK SETUP

- 1. Connect the included speakers to the mixer.**
  - Ensure the mixer is turned off
  - Insert one cable into output L and connect to one speaker.
  - Insert one cable into output R and connect to one speaker.

- 2. Connect your instrument to the mixer**
  - Use an appropriate cable to connect your instrument or microphone to the mixer.

- 3. Set the LEVEL and MASTER LEVEL controls to the minimum**
  - Ensure all volume controls are turned all the way down.



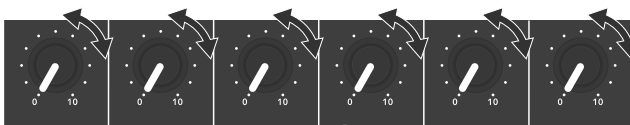
- 4. Depending on the device being used, set the MIC/LINE switch to the appropriate setting**
  - If you are using a microphone, set the MIC/LINE switch the MIC position.
  - If you are using an instrument, set the MIC/LINE switch to the LINE position.

- 5. Turn the power On**
  - Turn on the power to the mixer using the power switch.

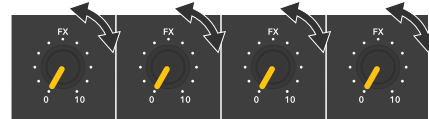
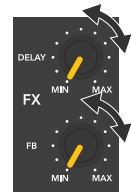
- 6. Turn up the MASTER LEVEL to the center position**
  - Slowly increase the MASTER LEVEL to the middle position (12 o'clock).



- 7. Slowly turn up the LEVEL control on the necessary channel until the desired level is reached.**
  - Whilst using your microphone/instrument, slowly increase the volume until the desired level is reached.



- 8. Applying Effects (optional)**
  - Increase the DELAY or ECHO master control in the FX MASTER section.
  - Use the FX control on each channel to apply the desired amount of FX to that channel.



**NOTE:**

- It is recommended that a D.I box is used if connecting an electric guitar/bass guitar directly to the mixer.
- If you are using a condenser microphone, press the PHANTOM POWER button to the ON position.
- If the limiter light flashes, the mixer is being used beyond it's intended capabilities. Please reduce the master volume until the flashing stops.

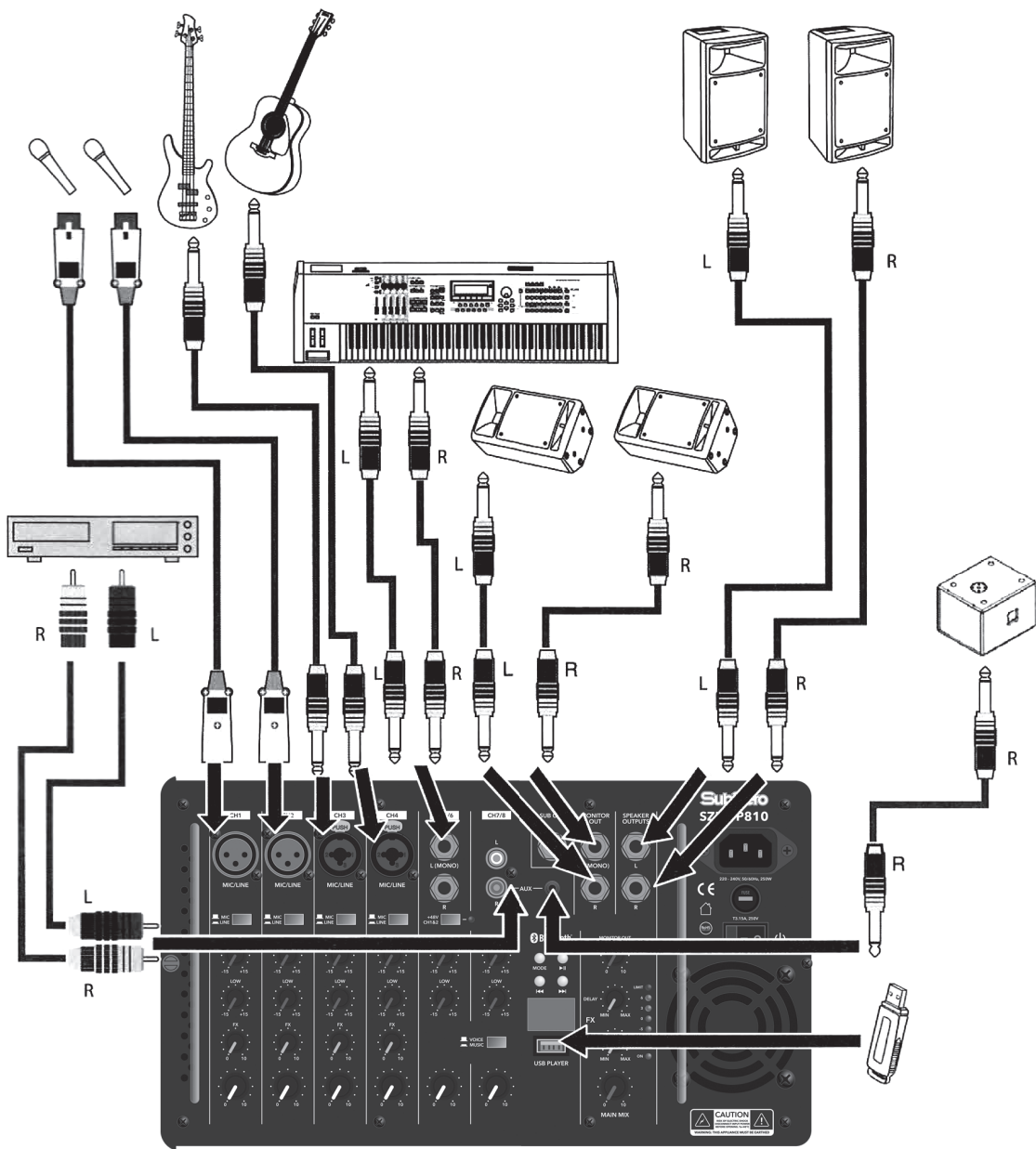
# APPLICATION

The SZPA-P88/P810 can be used in a wide variety of sound reinforcement applications, from a full-band performance onstage to solo street performances. This is a powerful, high-performance system in an exceptionally compact and portable package.

Connect a microphone to the XLR connectors (channels 1 to 4), connect a bass and guitar to the input jacks (3 and 4) and connect a keyboard to the stereo input jacks (channels 5/6 to 7/8).

If you have a powered speaker, you can connect it to the MONITOR OUT jack for monitoring your vocals. For optimum results in band performance applications and to create a more powerful sound for music, make sure to set the SPEECH/MUSIC switch to MUSIC.

**NOTE:**  
For best results when connecting an electric guitar or bass guitar to the mixer, use a direct box, preamp (guitar amp), or amp simulator.



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# TROUBLESHOOTING

## Mixer and Amplifier Will Not Turn On

- Is the included power cord correctly connected to a power outlet?

## Amplifier Turns Off Suddenly

- Is the vent on the top panel of the mixer blocked?

Inadequate ventilation will cause the mixer to overheat.

Turn off the mixer, ensure the vents on the mixer are unobstructed, and leave the mixer to cool. After a few minutes the mixer will reset.

- Is the POWER limiter flashing continuously?

If the POWER light is flashing, the mixer/amplifier is being used beyond its capabilities. Reduce the output volume and resume playback.

## No Sound From the Speaker(s)

- Are external instruments (including a microphone) or speakers correctly connected to the mixer?
- Are the LEVEL controls of all relevant channels and/or the MASTER LEVEL control set to appropriate levels?
- Are the SPEAKERS L/R jacks connected to the included speakers

## Distortion or Noise in the Audio Signal

- Are the LEVEL controls of all relevant channels and/or the MASTER LEVEL control set to appropriate levels?
- Are the MIC/LINE switches of each channels set appropriately?
- Are both XLR type and phono type jacks on channels 1-4 being used (connected) at the same time?

XLR and phono inputs cannot be used simultaneously.

- Is the input signal from the connected device set to an appropriate level?

## Output Level is Low

- Are the LEVEL controls of all relevant channels and/or the MASTER LEVEL control set to appropriate levels?
  - Are the MIC/LINE switches of each channels set appropriately?
  - Are both XLR type and phone type jacks on channels 1-4 being used (connected) at the same time
- XLR and phono inputs can not be used simultaneously.
- Is the input signal from the connected device set to an appropriate level?

## Reverb and Echo Effects are not Apparent

- Are the FX controls of each channel set to their maximum settings?
- Are the Delay and FB controls set to their maximum settings?

## Sound Level is Powerful During Voice Announcements

- Is the SPEECH/MUSIC switch set to MUSIC (■)?
- Are the Equalizer controls (HIGH/LOW) set to appropriate levels?

## Sound Level is Low During Music Playback

- Is the SPEECH /MUSIC switch set to SPEECH (■)?
- Are the Equalizer controls (HIGH/LOW) set to appropriate levels?

## Sound Heard from Only One Speaker

- Are the SPEAKERS LR jacks connected to the included speakers and mixer?

## Connecting an Auxiliary Powered Speaker

- Connect an auxiliary powered speaker to the MONITOR OUT jack. The MONITOR OUT signal bypasses the MASTER LEVEL control. Adjust the level of the MONITOR OUT signal with the MONITOR OUT LEVEL control. If mono signal is desired, use only the L MONITOR OUT jack. The mixer will automatically mix the L and R input signals together.

# SPECIFICATIONS

MIXER	SZPA-P88	SZPA-P810
MONO inputs	(4) 2x LINE/MIC IN (XLR) + 2x LINE MIC IN (COMBO)	(4) 2x LINE/MIC IN (XLRJ) + 2x LINE/MIC IN (COMBO)
STEREO inputs	(2) 1x LINE IN (2x JACK)+ 1x LINE IN (1 x AUX JACK 2x RCA)	(2) 1x LINE IN (2x JACK)+ 1x LINE IN (1 x AUX JACK 2x RCA)
EQ	HIGH 10KHz (±15dB ), LOW 100Hz (±15dB)	HIGH 10KHz (±15dB ), LOW 100Hz (±15dB)
PHANTOM power	+15V CH1-2	+15V CH1-2
Internal Effect	REVERB (CH1-4)	REVERB (CH1-4)
Outputs	MONITOR OUT (2x JACK), SUB OUT (1x JACK)	MONITOR OUT (2x JACK), SUB OUT (1x JACK)
	SPEAKER OUT (2x JACK)	SPEAKER OUT (2x JACK)
Main EQ	SPEECH/MUSIC selector	SPEECH/MUSIC selector
Metering	6 LED VU-meter	6 LED VU-meter
<b>MULTIMEDIA</b>		
Player Type	Bluetooth/USB	Bluetooth/USB
Compatible File Formats	WAV, MP3, WMA	WAV, MP3, WMA
<b>AMPLIFIER</b>		
AmplifierType	CLASS D with SMPS	CLASS D with SMPS
RMS Power	2x150W @4Ω (1KHz, 1% THD)	2x150W @4Ω (1KHz, 1% THD)
Frequency Response	MUSIC: 20Hz - 20KHz, SPEECH: 80Hz - 20KHz	MUSIC: 20Hz - 20KHz, SPEECH: 80Hz - 20KHz
<b>LOUDSPEAKER</b>		
Loudspeaker System	2-way system vented	2-way system vented
High Frequency Device	1" compression driver 1" VC-horn loaded	1" compression driver 1" VC-horn loaded
Low Frequency Device	8" woofer with 2" VC	10" woofer with 2" VC
Angular Coverage	T90° Hx60° V	T90° Hx60° V
Impedance	4Ω	4Ω
Frequency Response	70Hz - 20KHz, (±10dB)	65Hz - 20KHz, (±10dB)
Construction	Black Polypropylene, Metal Grille	Black Polypropylene, Metal Grille
Handles	1 top	1 top
Pole Holder	1 bottom	1 bottom
<b>GENERAL</b>		
Dimensions (W x H x D)	SPEAKER: 28 x 45.7 x 25.4cm	SPEAKER: 32 x 50 x 29cm
	MIXER: 18 x 32 x 9 cm	MIXER: 18 x 32 x 9cm
Weight	SYSTEM: 20kg	SYSTEM: 25kg
	SPEAKER: 8.6kg	SPEAKER: 10.6kg
	MIXER: 2.4kg	MIXER: 2.4 kg
Power Supply	220-240V~50/60Hz	220-240V~50/60Hz
Power Consumption	600W	600W



If you have any more questions about this product, please do not hesitate to contact the Gear4music Customer Service Team on: **+44 (0) 330 365 4444** or **[info@gear4music.com](mailto:info@gear4music.com)**