



DJ/PA HARDWARE CATALOGUE

2020

V181119

for DJs, Musicians, Churches, Conference Venues, Schools



DXN PRO

DIXON

JEBSON

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USER GUIDE

This guide provides a list of compatible Cash Crusaders amplifier and speaker combinations. If a customer buys a Cash Crusaders amplifier without any of the speakers specified in this guide, then the salesperson must point out the risk that the customer's existing speakers might not be suitable.

Pairing an amplifier with compatible speakers is imperative to getting the best out of the equipment. However, it is important to explain to customers that using an amplifier or speakers incorrectly may cause them to blow. Incorrect usage includes allowing the peak-lights on the amp to play into the red.

While factory defects are covered by the warranty, amplifiers or speakers that are damaged due to incorrect use are not. Speakers that have blown woofers, burnt voice-coils and related damage that indicate incorrect usage will not be covered by the warranty.

We strongly recommend that a compatible pair of Cash Crusaders speakers be sold with every Cash Crusaders amplifier. Where an amplifier is purchased on its own, the following guidelines **MUST** be conveyed to the customer:

Usage

PA amplifiers are designed to deliver full continuous RMS power indefinitely. These amplifiers should never be run at less than 100% of their output provided a pair of matching speakers is used. Running an amplifier at less than 100% of its output could damage the tweeters on the speakers.

Ventilation

All amplifiers require plenty of ventilation to keep them cool and should not be placed where there is little or no air-flow. Always check that the amplifier's cooling fans are operational.

A "matched" PA system

It is important to run a PA system that is "matched". To ensure you have a "matched" PA system, please note the following:

- A matched system means that the amplifier delivers enough power to the speakers to ensure the correct Sound Pressure Level is reached for high-quality sound. This also prevents damage.
- If you have Dixon or DXNPRO speakers, your amplifier should deliver an amount of output that is the same as, or close to, the RMS rating found on the back panel of the speaker.
- If you are using speakers that are different to Dixon or DXNPRO, you may find three different power ratings on the back panel: Continuous, Program and Peak. Your amp should deliver an amount of power that is the same as, or close to, the Program amount.
- Please note that your amplifier will deliver differing amounts of power depending on the resistance it receives from your speakers. This resistance is called "impedance" and is indicated on the back panel of your speaker, measured in Ohms.

Tweeters

The tweeters on your speakers are the most vulnerable to damage due to incorrect amplification. If the amp is too powerful, the tweeters will get damaged. If the amp is too weak, it will overheat causing the tweeters to blow, which will send a "spike" through the PA system.

Speaker Combinations

Always connect one speaker per channel to your amplifier's outputs. This means that you must connect one speaker-cable per channel on the amp, plugged into the left input at the back of each speaker. Do not connect two speakers together by joining them in parallel (also known as a "daisy-chain" connection) unless you know the correct method. Doing this will reduce the resistance of your speakers and increase the output of your amp, resulting in severe damage to your speakers.

We urge **CAUTION** when connecting two pairs of speakers to an amplifier. Ignoring or working out the impedance calculation incorrectly can severely damage your speakers. This kind of damage is not covered by the warranty.

Where two speakers are connected to each channel of an amplifier, the following impedance calculation must be done:

$$(\text{Speaker 1 } \Omega \times \text{Speaker 2 } \Omega) / (\text{Speaker 1 } \Omega + \text{Speaker 2 } \Omega)$$

For example: When connecting two 8 Ohm speakers per channel, the impedance (or resistance) will change in the following way: $(8 \times 8) / (8 + 8) = 64/16 = 4\Omega$.

This shows that connecting two speakers per channel to your amplifier will halve the impedance/resistance of the speakers. This results in the amplifier delivering almost double the output, which can severely damage the speakers.

If a customer wishes to use two speakers on each channel of their amplifier, the "matching" calculation should be done (as shown above under the heading *A "matched" PA System*) using half the impedance of the speakers. In most cases, if one pair of speakers is matched to an amplifier and the customer wishes to buy another pair of the same speakers to be connected in parallel, then an amplifier with half the output of the original must be used.

How speakers "blow"

Power overload: This is when the amplifier is too powerful for the speakers.

Loss of control (distortion-blow): This happens when the amplifier does not have enough power to "control the speaker". To avoid distortion-blow, the amplifier must continuously deliver the RMS rating indicated on the back panel of the speaker, calculated using the method under the heading *A "matched" PA System* above.

If a voice-coil overheats, its resistance will increase, causing an audible drop in volume. This is called "power compression". When this happens, most users turn the volume up, which causes severe overheating and, if allowed to continue, voice-coil failure.

Why pair the correct amplifier and speakers?

A correctly paired PA system will produce exceptional sound quality and a satisfied customer. A correctly paired PA system will also protect the amplifier and speakers from damage.

An underpowered amplifier will not drive the speaker cone anywhere near its intended "exertion distance" (Sound Pressure Level or SPL) and will cause the sound to be "muddy" or inadequate.

Running your PA system safely

- The knobs on a power-amp are used to set the output and should ideally be run at 100%. Lowering the output of the amplifier on a matched system will cause it to overheat resulting in a “spike” that could damage the tweeters on your speakers.
- When switching on the amp, ensure that all other components of your PA are already switched on, and that the output knobs on the amp are set to “-∞” i.e. anti-clockwise as far as they will go.
- After switching on the amp, wait for the red “Protect” lights to go off, and then turn the output knobs to “0” i.e. clockwise as far as they will go.
- Before turning off the amp, turn the output knobs back to “-∞”.
- Always switch the amp on last and off first.
- Set the volume of your PA system on the mixer in a way that does not cause the peak lights on your amp to clip into the red.
- Carry your speakers facing away from you to prevent damage to the grids.

Bridging function on power amplifiers

Unless you are a professional sound engineer and know what you are doing, do not run the bridging function on power amplifiers.

Running an amplifier in “Bridge” mode (set by a switch on the back of the amp) combines the Left and Right channels of your amplifier into a single mono output. This mode massively increases the output of the amplifier, which can severely damage your speakers if not done correctly.

Always run your amplifier in “Stereo” mode. Never run “Bridged” or “Parallel” modes.

Output knobs on power amplifiers

The two knobs on the front of a power amplifier adjust the output, not the volume of your PA system.

Please note: The output knobs on your power amplifier must be run at 100% (i.e. clockwise as far as they will go). While the PA is running, set the volume on the mixer in such a way that the peak-meter lights on the amplifier stay in the green.

To protect your speakers and amplifier, always keep an eye on the peak-meter lights on your amplifier. If they run into the yellow or red, turn the volume down on the mixer, or reduce the EQ bass level on the mixer.

Definition of Terms

PMPO:	Peak Music Power Output - the power handling capacity of audio components, such as amplifiers or speakers, based on a measure of power peaks.
RMS:	Root Mean Square – the measurement of the continuous average output an amplifier is able to deliver for extended periods of time.
Stereo Amplifier:	Refers to a two-channel amplifier.
Home Theatre Amplifier:	Refers to a 5.1-channel amplifier.
Tuner:	Indicates that the amplifier has the ability to receive radio stations.
Standard or Integrated Amplifier:	These units are made up of two parts – a control amp and a power amp. Integrated amps can have 2 channels or 5.1 channels. Two channels are best for music while 5.1 channels are best for home theatre.
Control Amplifiers:	Also known as “pre-amps”, a control amplifier cannot work without a power amplifier. Control amplifiers are used in with another amplifier to improve sound quality.
Power amplifiers:	This is an amplifier with two speaker outputs, two output control knobs and inputs for an additional component (most commonly a mixer). Power amplifiers are used to drive large PA speakers and are used in the entertainment industry (not for home use).
Sensitivity:	The sound pressure level produced by a loudspeaker, measured in Decibels (dB) at 1m with an input of 1W RMS.
Wattage:	Refers to output (volts and amperes combined) from an amplifier or audio receiver that is carried through cables to the speaker inputs.
Wattage Rating:	Refers to the maximum continuous power that a speaker can handle without “blowing”. A speaker driven past its maximum rating will overload causing permanent damage to its drivers and internal wiring.

Impedance

Impedance is the most critical factor when correctly matching speakers and amplifiers.

The “nominal” impedance of a speaker is the amount of electrical resistance opposing the flow of AC current from any amplifier. This is worked out across the audio range of a specific speaker, or speaker system with two or more drivers and a crossover, using specialised equipment and averaged to give the rating in Ohms (Ω).

Connecting an extra set of speakers to the output of an amplifier, or daisy-chaining from speaker to speaker, without taking the overall impedance into account, is the most common reason for speaker or amplifier failure.

Replacing output transistors and transformers is expensive, and can be avoided by taking the relevant precautions as laid out in this catalogue.

Nominal impedance simply characterises a speaker driver, rather than giving an explicit rating. Nominal impedance is the lowest value a driver voice-coil’s resistance is at room temperature in a frequency range of 200 – 500Hz.

A blown fuse

A blown fuse means there is something wrong with your speakers or the way they have been connected.

All amplifiers will fail if users connect mismatched speakers, use incorrect speaker configurations, faulty speakers or faulty speaker cables, or if the amplifier is overdriven.

A fuse is fitted to all Cash Crusaders amplifiers to prevent serious damage to their components.

When a fuse fails, it has worked correctly by protecting the amplifier from operating beyond its design capabilities. Please note that “fuse failure” is not a “malfunction” because the fuse has functioned correctly by preventing more serious damage through misuse by the user. This means that “fuse failure” cannot be regarded as a “factory defect” when units are returned to Cash Crusaders Service Centre, and will not be covered by the warranty.

In the event of fuse failure, it is important that the user carefully check the speakers and their configuration. The fuse is likely to fail again if the original reason has not been addressed.

Please Note: Any combinations of amplifiers and speakers not stipulated in this guide, will invalidate the warranty.

All speaker/amplifier combinations in this catalogue have been calculated and tested using the method stipulated in the Yamaha Sound Reinforcement Handbook.

POWER-AMPLIFIERS & MATCHING SPEAKERS



DXN PRO
MA500 POWER AMPLIFIER

- **Output Power:**
 - 2 x 500W RMS into 8Ω Speakers
 - 2 x 675W RMS into 6Ω Speakers
 - 2 x 850W RMS into 4Ω Speakers
 - 2 x 1300W RMS into 2Ω Speakers
- **Bridge Power Output:**
 - 1460W RMS into 8Ω Speakers
 - 1920W RMS into 4Ω Speakers
- **Input Impedance:** 20KΩ
- **Freq. Response:** 5Hz-50Hz
- **Features:**
 - Large transformer
 - Dual power supply
 - Hi-stab resistors
 - Mylar Capacitors
 - Adjustable Input levels
 - 8way Protection
- Modes:** Parallel, Stereo or Bridged

Speakers that match this amplifier



HYQ-18P **DXN PRO**

18" DJ/PA Speakers
RMS: 2 x 450W
Peak: 2 x 900W
Impedance: 8 Ohm
Magnet: 70 Oz
Voice Coil: 3"
Tweeter: 1.75" Titanium Diaphragm
Total Combo Output: 1000W



F15 **DXN PRO**

15" DJ/PA Speakers
RMS: 2 x 600W
Peak: 2 x 1200W
Impedance: 8 Ohm
Magnet: Ø190/95 Oz
Voice Coil: 3"
Tweeter: 1.75" Compression (AAA)
Total Combo Output: 1000W



PLB215 **DXN PRO**

Dual 15" DJ/PA Speakers
RMS: 2 x 800W
Peak: 2 x 1600W
Impedance: 6 Ohm
Magnet: Y30, Ø170/60 Oz
Voice Coil: 4"
Tweeter: 1.74" Compression
Total Combo Output: 1350W



HYL-215 **DXN PRO**

Dual 15" DJ/PA Speakers
RMS: 2 x 700W
Peak: 2 x 1400W
Impedance: 4 Ohm
Magnet: Y30, Ø170/60 Oz
Voice Coil: 3"
Tweeter: 1.75" Titanium Diaphragm
Total Combo Output: 1700W



F215 **DXN PRO**

Dual 15" DJ/PA Speakers
RMS: 2 x 1000W
Peak: 2 x 2000W
Impedance: 4 Ohm
Magnet: Ø190/95 Oz
Voice Coil: 3"
Tweeter: 1.75" Compression (AAA)
Total Combo Output: 1700W



LB218 **DXN PRO**

Dual 18" Bass Bin
RMS: 1000W
Peak: 2000W
Impedance: 4 Ohm
Magnet: Y30, Ø250/150 Oz
Voice Coil: 4"
Add to PA Output: 850W

Stereo Mode

POWER-AMPLIFIERS & MATCHING SPEAKERS



DXN PRO
MA400 POWER AMPLIFIER

- **Output Power:**
 - 2 x 400W RMS into 8Ω Speakers
 - 2 x 550W RMS into 6Ω Speakers
 - 2 x 700W RMS into 4Ω Speakers
 - 2 x 1000W RMS into 2Ω Speakers
 - **Bridge Power Output:**
 - 1250W RMS into 8Ω Speakers
 - 1700W RMS into 4Ω Speakers
 - **Input Impedance:** 20KΩ
 - **Freq. Response:** 5Hz-50Hz
 - **Features:**
 - Large transformer
 - Dual power supply
 - Hi-stab resistors
 - Mylar Capacitors
 - Adjustable Input levels
 - 8way Protection
- Modes:** Parallel, Stereo or Bridged

Speakers that match this amplifier



HYQ-15P **DXN PRO**

15" DJ/PA Speakers
RMS: 2 x 450W
Packaging Peak: 2 x 900W
Impedance: 8 Ohm
Magnet: Y30, Ø170/60 Oz
Voice Coil: 3"
Tweeter: 1.75" Titanium Diaphragm
Total Combo Output: 800W



F15 **DXN PRO**

15" DJ/PA Speakers
RMS: 2 x 600W
Peak: 2 x 1200W
Impedance: 8 Ohm
Magnet: Ø190/95 Oz
Voice Coil: 3"
Tweeter: 1.75" Compression (AAA)
Total Combo Output: 800W



PLB15 **DXN PRO**

15" DJ/PA Speakers
RMS: 2 x 450W
Peak: 2 x 900W
Impedance: 6 Ohm
Magnet: Y30, Ø170/60 Oz
Voice Coil: 3"
Tweeter: 1.74" Compression
Total Combo Output: 1100W



SPX215 **DIXON**

Dual 15" DJ/PA Speakers
RMS: 2 x 600W
Packaging Peak: 2 x 1200W
Impedance: 6 Ohm
Magnet: Y30, Ø156/50 Oz
Voice Coil: 2.5"
Tweeter: 1.34" Compression
Total Combo Output: 1100W



HYL-215 **DXN PRO**

Dual 15" DJ/PA Speakers
RMS: 2 x 700W
Peak: 2 x 1400W
Impedance: 4 Ohm
Magnet: Y30, Ø170/60 Oz
Voice Coil: 3"
Tweeter: 1.75" Titanium Diaphragm
Total Combo Output: 1400W



LB15 **DXN PRO**

15" Bass Bin
RMS: 400W
Peak: 800W
Impedance: 8 Ohm
Magnet: Y30, Ø250/150 Oz
Voice Coil: 4"
Add to PA Output: 400W

Stereo Mode

POWER-AMPLIFIERS & MATCHING SPEAKERS



DXN PRO
MA200 POWER AMPLIFIER

- **Output Power:**
 - 2 x 200W RMS into 8Ω Speakers
 - 2 x 250W RMS into 6Ω Speakers
 - 2 x 300W RMS into 4Ω Speakers
 - 2 x 500W RMS into 2Ω Speakers
 - **Bridge Power Output:**
 - 600W RMS into 8Ω Speakers
 - 1000W RMS into 4Ω Speakers
 - **Input Impedance:** 20KΩ
 - **Freq. Response:** 5Hz-50Hz
 - **Features:**
 - Large transformer
 - Dual power supply
 - Hi-stab resistors
 - Mylar Capacitors
 - Adjustable Input levels
 - 8way Protection
- Modes:** Parallel, Stereo or Bridged

Speakers that match this amplifier



SPX15 **DIXON**

15" DJ/PA Speakers
RMS: 2 x 300W
Peak: 2 x 600W
Impedance: 8 Ohm
Magnet: Y30, Ø156/50 Oz
Voice Coil: 2.5"
Tweeter: 1.34" Compression
Total Combo Output: 400W



SDJ3001 **DIXON**

Dual 15" DJ/PA Speakers
RMS: 2 x 400W
Peak: 2 x 800W
Impedance: 6 Ohm
Magnet: Y25, Ø156/50 Oz
Voice Coil: 2.5"
Tweeter: Magnet
Total Combo Output: 500W



SDJ15BB2 **DIXON**

15" Bass Bin
RMS: 200W
Peak: 400W
Impedance: 8 Ohm
Magnet: Y30, Ø250/150 Oz
Voice Coil: 2.5"
Add to PA Output: 200W

Stereo Mode



LB15 **DXN PRO**

15" Bass Bin
RMS: 400W
Peak: 800W
Impedance: 8 Ohm
Magnet: Y30, Ø250/150 Oz
Voice Coil: 4"
Add to PA Output: 600W

Bridge Mode



LB218 **DXN PRO**

Dual 18" Bass Bin
RMS: 1000W
Peak: 2000W
Impedance: 4 Ohm
Magnet: Y30, Ø250/150 Oz
Voice Coil: 4"
Add to PA Output: 1000W

Bridge Mode

D-CLASS MIXER-AMPLIFIERS AND MATCHING SPEAKERS



- **Output Power:**
2 x 600W RMS into 8Ω Speakers
2 x 750W RMS into 6Ω Speakers
2 x 900W RMS into 4Ω Speakers
- **Freq. Response:** 20Hz-50Hz
- **Built-in Bluetooth**
- **Bridged output power:**
It is not advisable to use the "Bridged" output.
- **Features:**
 - Built-in D-Class Amplifier with 16 Digital Sound Processing (DSP)
 - 8 x Channel mixer with universal inputs (XLR or Jack)
 - 3-band EQ, Mute, Trim and Effects on each channel
 - 7-band universal equaliser with 10-band level display
 - 3 x active Speakon outputs, 4 x XLR and TRS passive outputs
 - 2 x wireless microphone inputs via USB adapter
 - Bluetooth, USB and SD card slots for MP3 playback
 - Short-circuit overload and over-heating protection

DXNPRO

PM8-920 8-Channel Powered Mixer

Included: 2 x DXNPRO UF-220B UHF Wireless Microphones with USB Receiver *

Speakers that match this amplifier



HYQ-18P **DXNPRO**

18" DJ/PA Speakers
RMS: 2 x 450W
Peak: 2 x 900W
Impedance: 8 Ohm
Magnet: 70 Oz
Voice Coil: 3"
Tweeter: 1.75" Titanium Diaphragm
Total Combo Output: 1200W



F15 **DXNPRO**

15" DJ/PA Speakers
RMS: 2 x 600W
Peak: 2 x 1200W
Impedance: 8 Ohm
Magnet: Ø190/95 Oz
Voice Coil: 3"
Tweeter: 1.75" Compression (AAA)
Total Combo Output: 1200W



PLB215 **DXNPRO**

Dual 15" DJ/PA Speakers
RMS: 2 x 800W
Peak: 2 x 1600W
Impedance: 6 Ohm
Magnet: Y30, Ø170/60 Oz
Voice Coil: 4"
Tweeter: 1.74" Compression
Total Combo Output: 1500W



HYL-215 **DXNPRO**

Dual 15" DJ/PA Speakers
RMS: 2 x 700W
Peak: 2 x 1400W
Impedance: 4 Ohm
Magnet: Y30, Ø170/60 Oz
Voice Coil: 3"
Tweeter: 1.75" Titanium Diaphragm
Total Combo Output: 1800W



F215 **DXNPRO**

Dual 15" DJ/PA Speakers
RMS: 2 x 1000W
Peak: 2 x 2000W
Impedance: 4 Ohm
Magnet: Ø190/95 Oz
Voice Coil: 3"
Tweeter: 1.75" Compression (AAA)
Total Combo Output: 1800W



*** UF-220B UHF WIRELESS MICROPHONES ARE ONLY COMPATIBLE WITH DXNPRO MS-5382R, PM8-650 & PM8-920**

- Freq. range: UHF Band 5000 - 980MHz
- Range: 30m
- Freq. response: 40Hz - 16KHz (±15KHz)
- Receiver: Wireless USB adapter

WARNING

Do not use all three Speakon outputs simultaneously. Doing so will cause severe damage to this unit as well as your speakers. Use EITHER the L & R speaker outputs, OR the "Bridged" (mono) output.

This means you cannot use 2 x speakers as well as a sub-woofer at the same time. For this reason, it is not advisable to use a sub-woofer with this unit unless using an external crossover unit and an independent amplifier.

D-CLASS MIXER-AMPLIFIERS AND MATCHING SPEAKERS



- **Output Power:**
2 x 400W RMS into 8Ω Speakers
2 x 500W RMS into 6Ω Speakers
2 x 600W RMS into 4Ω Speakers
- **Freq. Response:** 20Hz-50Hz
- **Built-in Bluetooth**
- **Bridged output power:**
It is not advisable to use the "Bridged" output.
- **Features:**
 - Built-in D-Class Amplifier with 16 Digital Sound Processing (DSP)
 - 8 x Channel mixer with universal inputs (XLR or Jack)
 - 3-band EQ, Mute, Trim and Effects on each channel
 - 7-band universal equaliser with 10-band level display
 - 3 x active Speakon outputs, 4 x XLR and TRS passive outputs
 - 2 x wireless microphone inputs via USB adapter
 - Bluetooth, USB and SD card slots for MP3 playback
 - Short-circuit overload and over-heating protection

DXNPRO

PM8-650 8-Channel Powered Mixer

Included: 2 x DXNPRO UF-220B UHF Wireless Microphones with USB Receiver *

Speakers that match this amplifier



HYQ-15P **DXNPRO**

15" DJ/PA Speakers
RMS: 2 x 450W
Packaging Peak: 2 x 900W
Impedance: 8 Ohm
Magnet: Y30, Ø170/60 Oz
Voice Coil: 3"
Tweeter: 1.75" Titanium Diaphragm
Total Combo Output: 800W



F15 **DXNPRO**

15" DJ/PA Speakers
RMS: 2 x 600W
Peak: 2 x 1200W
Impedance: 8 Ohm
Magnet: Ø190/95 Oz
Voice Coil: 3"
Tweeter: 1.75" Compression (AAA)
Total Combo Output: 800W



PLB15 **DXNPRO**

15" DJ/PA Speakers
RMS: 2 x 450W
Peak: 2 x 900W
Impedance: 6 Ohm
Magnet: Y30, Ø170/60 Oz
Voice Coil: 3"
Tweeter: 1.74" Compression
Total Combo Output: 1000W



SPX215 **DIXON**

Dual 15" DJ/PA Speakers
RMS: 2 x 600W
Packaging Peak: 2 x 1200W
Impedance: 6 Ohm
Magnet: Y30, Ø156/50 Oz
Voice Coil: 2.5"
Tweeter: 1.34" Compression
Total Combo Output: 1000W



HYL-215 **DXNPRO**

Dual 15" DJ/PA Speakers
RMS: 2 x 700W
Peak: 2 x 1400W
Impedance: 4 Ohm
Magnet: Y30, Ø170/60 Oz
Voice Coil: 3"
Tweeter: 1.75" Titanium Diaphragm
Total Combo Output: 1200W



* UF-220B UHF WIRELESS MICROPHONES ARE ONLY COMPATIBLE WITH DXNPRO MS-5382R, PM8-650 & PM8-920

- Freq. range: UHF Band 5000 - 980MHz
- Range: 30m
- Freq. response: 40Hz - 16KHz (±15KHz)
- Receiver: Wireless USB adapter

WARNING

Do not use all three Speakon outputs simultaneously. Doing so will cause severe damage to this unit as well as your speakers. Use EITHER the L & R speaker outputs, OR the "Bridged" (mono) output.

This means you cannot use 2 x speakers as well as a sub-woofer at the same time. For this reason, it is not advisable to use a sub-woofer with this unit unless using an external crossover unit and an independent amplifier.

MIXER-AMPLIFIERS & MATCHING SPEAKERS



- **Output Power:**
 - 2 x 250W RMS into 8Ω Speakers
 - 2 x 275W RMS into 6Ω Speakers
 - 2 x 300W RMS into 4Ω Speakers
- **Freq. Response:** 20Hz-50Hz
- **Features:**
 - Dual 10-segment LED level meter
 - 2-band equalizer per channel
 - Each channel has gain, reverb and slide level control
 - Input: USB/SD mp3 player
 - Output: Record/Headphone/Line, Master output LED level meter

DIXON PM801USB / PM121USB 8 CHANNEL POWERED MIXER / 12 CHANNEL POWERED MIXER

Speakers that match this amplifier



SPX15 DIXON

15" DJ/PA Speakers
RMS: 2 x 300W
Peak: 2 x 600W
Impedance: 8 Ohm
Magnet: Y30, Ø156/50 Oz
Voice Coil: 2.5"
Tweeter: 1.34" Compression
Total Combo Output: 500W



SDJ1501 DIXON

15" DJ/PA Speakers
RMS: 2 x 200W
Peak: 2 x 400W
Impedance: 8 Ohm
Magnet: Y25, Ø140/40 Oz
Voice Coil: 2.5"
Tweeter: 1.75 Magnet
Total Combo Output: 500W



SDJ3001 DIXON

Dual 15" DJ/PA Speakers
RMS: 2 x 400W
Peak: 2 x 800W
Impedance: 6 Ohm
Magnet: Y25, Ø156/50 Oz
Voice Coil: 2.5"
Tweeter: Magnet
Total Combo Output: 550W

Please Note: These two mixer-amplifiers have four speaker outputs

DO NOT connect 4 speakers to this mixer-amplifier because it will have the same effect as connecting speakers in parallel. Please regard the amplifier as having only 2 outputs – one speaker per side.

MIXER-AMPLIFIERS & MATCHING SPEAKERS



- **Output Power:**
 - 2 x 200W RMS into 8Ω Speakers
 - 2 x 225W RMS into 6Ω Speakers
 - 2 x 250W RMS into 4Ω Speakers
- **Freq. Response:** 20Hz-50Hz
- **Features:**
 - Dual 10-segment LED level meter
 - 2-band equalizer per channel
 - Each channel has gain, reverb and slide level control
 - Input: USB/SD mp3 player
 - Output: Record/Headphone/Line, Master output LED level meter

DIXON PM602USB / PM802USB 6 CHANNEL POWERED MIXER / 8 CHANNEL POWERED MIXER

Speakers that match this amplifier



SDJ1501 DIXON

15" DJ/PA Speakers
RMS: 2 x 200W
Peak: 2 x 400W
Impedance: 8 Ohm
Magnet: Y25, Ø140/40 Oz
Voice Coil: 2.5"
Tweeter: 1.75" Magnet
Total Combo Output: 400W



SPX15 DIXON

15" DJ/PA Speakers
RMS: 2 x 300W
Peak: 2 x 600W
Impedance: 8 Ohm
Magnet: Y30, Ø156/50 Oz
Voice Coil: 2.5"
Tweeter: 1.34" Compression
Total Combo Output: 400W



SDJ3001 DIXON

Dual 15" DJ/PA Speakers
RMS: 2 x 400W
Peak: 2 x 800W
Impedance: 6 Ohm
Magnet: Y25, Ø156/50 Oz
Voice Coil: 2.5"
Tweeter: Magnet
Total Combo Output: 450W

Please Note: These two mixer-amplifiers have four speaker outputs

DO NOT connect 4 speakers to this mixer-amplifier because it will have the same effect as connecting speakers in parallel. Please regard the amplifier as having only 2 outputs – one speaker per side.

MIXER-AMPLIFIERS & MATCHING SPEAKERS



- **Output Power:**
 - 2 x 130W RMS into 8Ω Speakers
 - 2 x 150W RMS into 6Ω Speakers
 - 2 x 170W RMS into 4Ω Speakers
- **Freq. Response:** 20Hz-50Hz
- **Built-in Bluetooth**
- **Features:**
 - On board 32-bit Multi FX processor
 - Each channel with gain, reverb and slide level control
 - 4 x Balanced Microphone Inputs (TRS)
 - Dual 12 Band Level Display
 - 16 DSP (Digital Signal Processor) Effects
 - Multi Outputs & Input: USB/SD MP3
 - Record Output

DIXON

AM-MINI4P / AM-MINI6P / AM-MINI8P 4 CHANNEL / 6 CHANNEL POWERED MIXER / 8 CHANNEL POWERED MIXER

Speakers that match this amplifier



SH12 JEBSON

12" DJ/PA Speakers
 RMS: 2 x 120W
 Peak: 2 x 240W
 Impedance: 8 Ohm
 Magnet: Y25 Ø100/20 Oz
 Voice coil: 1.5"
 Tweeter: Piezo
Total Combo Output: 260W



SH15 JEBSON

15" DJ/PA Speakers
 RMS: 2 x 150W
 Peak: 2 x 300W
 Impedance: 6 Ohm
 Magnet: Y25, Ø120/30 Oz
 Voice Coil: 1.5"
 Tweeter: Piezo
Total Combo Output: 300W



SH15P JEBSON

15" DJ/PA Speakers
 RMS: 2 x 150W
 Peak: 2 x 300W
 Impedance: 4 Ohm
 Magnet: Y25, Ø100/20 Oz
 Voice Coil: 1.5"
 Tweeter: Piezo
Total Combo Output: 340W



SDJ1201 DIXON

12" DJ/PA Speakers
 RMS: 2 x 150W
 Peak: 2 x 300W
 Impedance: 8 Ohm
 Magnet: Y25, Ø120/30 Oz
 Voice Coil: 2.5"
 Tweeter: 1.34 Piezo
Total Combo Output: 260W



SDJ1501 DIXON

15" DJ/PA Speakers
 RMS: 2 x 200W
 Peak: 2 x 400W
 Impedance: 8 Ohm
 Magnet: Y25, Ø140/40 Oz
 Voice Coil: 2.5"
 Tweeter: 1.75 Magnet
Total Combo Output: 260W

INTEGRATED STEREO AMPLIFIERS & MATCHING SPEAKERS



DIXON
AV999 INTEGRATED STEREO AMPLIFIER

- **Output Power:**
 - 2 x 180W RMS into 8Ω speakers
 - 2 x 200W RMS into 6Ω speakers
 - 2 x 220W RMS into 4Ω speakers
 - **Freq. Response:** 20Hz-50Hz
 - **Thd (1W):** < 0.5%
 - **S/N Ratio:** > 65Db
- **Features:**
 - 4 Mic Input with Individual Mic Volume, Treble, Mid, Bass, Echo adjustment
 - Input: USB/SD MP3
 - FM Radio Tuner
 - Master volume, low, mid, high and balance control
 - Multiple inputs and outputs on back panel

Speakers that match this amplifier



SH15 **JEBSON**

15" DJ/PA Speakers
RMS: 2 x 150W
Peak: 2 x 300W
Impedance: 6 Ohm
Magnet: Y25, Ø120/30 Oz
Voice Coil: 1.5"
Tweeter: Piezo
Total Combo Output: 400W



SDJ1501 **DIXON**

15" DJ/PA Speakers
RMS: 2 x 200W
Peak: 2 x 400W
Impedance: 8 Ohm
Magnet: Y25, Ø140/40 Oz
Voice Coil: 2.5"
Tweeter: 1.75 Magnet
Total Combo Output: 360W



SPX15 **DIXON**

15" DJ/PA Speakers
RMS: 2 x 300W
Peak: 2 x 600W
Impedance: 8 Ohm
Magnet: Y30, Ø156/50 Oz
Voice Coil: 2.5"
Tweeter: 1.34" Compression
Total Combo Output: 360W

INTEGRATED STEREO AMPLIFIERS & MATCHING SPEAKERS



**DIXON
K2150USB** INTEGRATED STEREO AMPLIFIER

- **Output Power:**
 - 2 x 100W RMS into 8Ω Speakers
 - 2 x 125W RMS into 6Ω Speakers
 - 2 x 150W RMS into 4Ω Speakers
- **Freq. Response:** 20Hz-50Hz
- **Thd (1W):** < 0.5%
- **S/N Ratio:** > 65Db
- **Features:**
 - 2 Way Mic Input with Individual Mic Volume, Treble, Bass, Delay, Echo adjustment
 - 14 Band Eq. (7 Per Channel)
 - Input: USB/SD MP3 with VFD Display
 - FM Radio Tuner
 - Volume/Echo/Bass/Mid/Treble/Delay Control

Speakers that match this amplifier



SH12 JEBSON

12" DJ/PA Speakers
 RMS: 2 x 120W
 Peak: 2 x 240W
 Impedance: 8 Ohm
 Magnet: Y25, Ø120/30 Oz
 Voice Coil: 1.5"
 Tweeter: Piezo
Total Combo Output: 200W



SH15 JEBSON

15" DJ/PA Speakers
 RMS: 2 x 150W
 Peak: 2 x 300W
 Impedance: 6 Ohm
 Magnet: Y25, Ø120/30 Oz
 Voice Coil: 1.5"
 Tweeter: Piezo
Total Combo Output: 250W



SH15P JEBSON

15" DJ/PA Speakers
 RMS: 2 x 150W
 Peak: 2 x 300W
 Impedance: 4 Ohm
 Magnet: Y25, Ø100/20 Oz
 Voice Coil: 1.5"
 Tweeter: Piezo
Total Combo Output: 300W



SDJ1201 DIXON

12" DJ/PA Speakers
 RMS: 2 x 150W
 Peak: 2 x 300W
 Impedance: 8 Ohm
 Magnet: Y25, Ø120/30 Oz
 Voice Coil: 2.5"
 Tweeter: 1.34 Piezo
Total Combo Output: 200W



SDJ1501 DIXON

15" DJ/PA Speakers
 RMS: 2 x 200W
 Peak: 2 x 400W
 Impedance: 8 Ohm
 Magnet: Y25, Ø140/40 Oz
 Voice Coil: 2.5"
 Tweeter: 1.75 Magnet
Total Combo Output: 200W

Please Note:

For Home Theatre speakers that match this amplifier please see the Cash Crusaders 'Stereo and Home Theatre Amplifier and Speaker Catalogue'.

INTEGRATED STEREO AMPLIFIERS & MATCHING SPEAKERS



**DIXON
K2233** INTEGRATED STEREO AMPLIFIER

- **Output Power:**
 - 2 x 80W RMS into 8Ω speakers
 - 2 x 90W RMS into 6Ω speakers
 - 2 x 100W RMS into 4Ω speakers
- **Freq. Response:** 20Hz-50Hz
- **Features:**
 - 2 Way Mic Input with Individual Mic Vol/ Treble/Bass adjustment
 - Input: USB/SD MP3.
 - Volume/Echo/Bass/Mid/Treble/Delay Control

Speakers that match this amplifier



SH12 JEBSON

12" DJ/PA Speakers
RMS: 2 x 120W
Peak: 2 x 240W
Impedance: 8 Ohm
Magnet: Y25, Ø120/30 Oz
Voice Coil: 1.5"
Tweeter: Piezo
Total Combo Output: 160W



SH15 JEBSON

15" DJ/PA Speakers
RMS: 2 x 150W
Peak: 2 x 300W
Impedance: 6 Ohm
Magnet: Y25, Ø120/30 Oz
Voice Coil: 1.5"
Tweeter: Piezo
Total Combo Output: 180W



SH15P JEBSON

15" DJ/PA Speakers
RMS: 2 x 150W
Peak: 2 x 300W
Impedance: 4 Ohm
Magnet: Y25, Ø100/20 Oz
Voice Coil: 1.5"
Tweeter: Piezo
Total Combo Output: 200W



SDJ1001 DIXON

10" DJ/PA Speakers
RMS: 2 x 100W
Peak: 2 x 200W
Impedance: 8 Ohm
Magnet: Y25, Ø100/20 Oz
Voice Coil: 1.5"
Tweeter: Piezo
Total Combo Output: 160W



SDJ1201 DIXON

12" DJ/PA Speakers
RMS: 2 x 150W
Peak: 2 x 300W
Impedance: 8 Ohm
Magnet: Y25, Ø120/30 Oz
Voice Coil: 2.5"
Tweeter: 1.34 Piezo
Total Combo Output: 160W

Please Note:

For Home Theatre speakers that match this amplifier please see the Cash Crusaders 'Stereo and Home Theatre Amplifier and Speaker Catalogue'.

INTEGRATED STEREO AMPLIFIERS & MATCHING SPEAKERS



**DIXON
K2260USB** INTEGRATED STEREO AMPLIFIER

- **Output Power:**
 - 2 x 60W RMS into 8Ω speakers
 - 2 x 65W RMS into 6Ω speakers
 - 2 x 70W RMS into 4Ω speakers
- **Freq. Response:** 20Hz-50Hz
- **Features:**
 - 2 Way Mic Input with Individual Mic Vol/ Treble/Bass adjustment
 - Input: USB/SD MP3
 - Volume/Echo/Bass/Mid/Treble/Delay Control

Speakers that match this amplifier



SH10 JEBSON

10" DJ/PA Speakers
RMS: 2 x 75W
Peak: 2 x 150W
Impedance: 6 Ohm
Magnet: Y25, Ø80/10 Oz
Voice Coil: 1.25"
Tweeter: Piezo
Total Combo Output: 130W



SH12 JEBSON

12" DJ/PA Speakers
RMS: 2 x 120W
Peak: 2 x 240W
Impedance: 8 Ohm
Magnet: Y25, Ø120/30 Oz
Voice Coil: 1.5"
Tweeter: Piezo
Total Combo Output: 130W



SH15P JEBSON

15" DJ/PA Speakers
RMS: 2 x 150W
Peak: 2 x 300W
Impedance: 4 Ohm
Magnet: Y25, Ø100/20 Oz
Voice Coil: 1.5"
Tweeter: Piezo
Total Combo Output: 140W

Please Note:

For Home Theatre speakers that match this amplifier please see the Cash Crusaders 'Stereo and Home Theatre Amplifier and Speaker Catalogue'.

INTEGRATED STEREO AMPLIFIERS & MATCHING SPEAKERS



DIXON K2250USB INTEGRATED STEREO AMPLIFIER

- **Output Power:**
2 x 50W RMS into 6Ω Speakers
- **Freq. Response:** 20Hz-50Hz
- **Features:**
 - 2 Way Mic Input with Individual Mic Vol/ Treble/Bass adjustment
 - Input: USB/SD MP3 with Display
 - Record Output
 - Master Output LED level meter

Speakers that match this amplifier



SH08 JEBSON

8" DJ/PA Speakers

RMS: 2 x 45W
Peak: 2 x 90W
Impedance: 6 Ohm
Magnet: Y25, Ø70/9 Oz
Voice Coil: 1"
Tweeter: Piezo
Total Combo Output: 100W



SH10 JEBSON

10" DJ/PA Speakers

RMS: 2 x 75W
Peak: 2 x 150W
Impedance: 6 Ohm
Magnet: Y25, Ø80/10 Oz
Voice Coil: 1.25"
Tweeter: Piezo
Total Combo Output: 100W

Please Note:

For Home Theatre speakers that match this amplifier please see the Cash Crusaders 'Stereo and Home Theatre Amplifier and Speaker Catalogue'.

D-CLASS ALL-IN-ONE PORTABLE PA SYSTEM



DXNPRO

MS-5382R

15" D-CLASS POWERED PA SYSTEM

INCLUDED: 2 x DXNPRO UF-220B UHF WIRELESS MICROPHONES WITH USB RECEIVER

FEATURES:

- Built-in D-Class Amplifier & 8 Channel mixer
- 4 x XLR/Jack universal inputs, 1 x 3.5mm jack, 3 x RCA
- Each channel has individual volume, high, mid, low, effects adjustment
- 1 x Active Speakon output for connecting to a passive speaker (MS-5382R only)
- 1 x XLR passive output for connecting to another amplified speaker
- 2 x wireless microphone inputs via the unique USB adapter
- Bluetooth, USB and SD card slots for MP3 playback
- 16 Digital Sound Processor & +48V phantom power
- Short-circuit overload and over-heating protection
- Metal stand-mount for pole or tripod applications
- Hanging eyelets for roof-suspended applications

SPECIFICATIONS

- 2 x 15" 2-way speakers, impedance 8 Ohms
- Output: 2 x 350W RMS, peak 1000W
- Frequency response: 45Hz - 20KHz @ ± 3 dB
- Sensitivity: 122dB (see warning below)

*** UF-220B UHF WIRELESS MICROPHONES ARE ONLY COMPATIBLE WITH DXNPRO MS-5382R, PM8-650 & PM8-920**

Freq. range: UHF Band 5000 – 980MHz

Range: 30m

Freq. response: 40Hz – 16KHz (± 15 KHz)

Receiver: Cable-free USB adapter

Total Combo Output: 700W RMS

WARNING Being exposed to volumes exceeding 90dB for an extended period can cause permanent damage to the ears.

ALL-IN-ONE PORTABLE PA SYSTEMS



DIXON

PURESLIM

ALL-IN-ONE PORTABLE PA SYSTEMS
15" BASS BIN + 2 x 4x4" SATELLITE SPEAKERS

FEATURES:

- 15" Active Bass Bin
- 4 x 4" 2-way satellite speakers x 2
- RMS Power: 250W
- MAX Power: 500W
- Impedance: 8 Ohms
- Frequency Response:
 - Subwoofer: 35 – 350Hz @±6dB
 - Satellites: 70Hz – 18kHz @±6dB
- Sensitivity:
 - Subwoofer: 119dB / Satellites: 113dB

2.1 CHANNEL AMPLIFIER

- Class-AB amplifier
- Transformer:
 - Subwoofer: 100WRMS
 - Satellites: 30W RMS x 2
- Short circuit and overheating protection
- Main volume, sub volume, bass and treble control
- Mic volume and mic echo control
- Outputs: XLR, RCA, SAT (2 x Speakon)
- Inputs: XLR/6.3mm combo, RCA
- Mic input: XLR/6.3mm combo

Total Combo Output: 250W

ALL-IN-ONE PORTABLE PA SYSTEMS



DXNPRO

VX1300BT

ALL-IN-ONE PORTABLE PA SYSTEMS
15" BASS BIN + 2 x 10" SATELLITE SPEAKERS

The DXNPRO VX1300BT is a complete PA system with versatile applications for the discerning enthusiast. The powerful built-in 2.1 channel amplifier has separate controls for bass, mid and treble frequencies offering a wide range of choices to suit any sound reinforcement needs.

FEATURES:

- 2.1 Channel Amplifier
- INPUTS: USB and SD card to play music or backing tracks.
- Separate microphone channel with echo effect.
- Built-in crossover with separate controls for bass, mids and treble.
- Short circuit overload and overheating protection.
- Includes the following:
 - 1 x 15" Active Bass Bin
 - 2 x 10" 2-Way Saterllite Speakers
 - 2 x 5M Speakon to 6.3Mm Jack Speaker
 - 1 x 1.5M RCA to 3.5Mm Stereo Patch Cable
 - 1 x 1.5M Stereo RCA Patch Cable
 - 1 x Microphone
 - 2 x Speaker stands for the satellite speakers

SPECIFICATIONS:

- Output Power:
 - Satellites: 2 x 75W RMS (2 x 150W Max)
 - Subwoofer: 2 x 150W RMS (2 x 300W Max)
- Total PA Output:
 - RMS: 300W / MAX: 600W
 - (This means that the PA will cover 300 people in a venue)
- Sensitivity:
 - Subwoofer: 119dB / Satellites: 112dB
- Frequency Response:
 - Subwoofer: 35Hz - 350Hz @ ± 3 dB
 - Satellites: 60Hz - 20Hz @ ± 3 dB
- Impedance (or Resistance):
 - Subwoofer: 4 Ohms
 - Satellites: 8 Ohms

Total Combo Output: 300W

DXNPRO DJ CONTROLLER



DXNPRO **MiDi 7** USB MIDI DJ MIXER & CONTROLLER WITH BUILT-IN SOUND CARD

Essential equipment for the discerning DJ, the MIDI7 2-channel professional mixer features a built-in soundcard, midi controls and touch-sensitive jog wheels, giving you ultimate control over your digital mixes. USB connectivity and Virtual DJ LE software ensures seamless integration with your computer.

- Full midi controls
- 2-Channel mixer section
- Dual player section
- Built-in soundcard
- Includes Virtual DJ LE software
- All controls freely assignable or preset midi
- Cue function with 3 hot cues
- Sampler-and folder selector
- Touch-sensitive jog wheels
- Beat-accurate seamless loop, can be edited
- Master tempo (tonal pitch remains constant)
- 3-Band EQ, gain control & level fader per channel
- Effect units with controls for selection and parameters
- Large track encoder for quick access to your music library
- Stereo led level display additional recording output
- Adjustable DJ microphone input
- Headphones output with level control for direct monitoring
- 2 Line/phono inputs, switchable
- XLR balanced outputs
- XLR and jack 6.35 MiDi mic input
- Rec (master and booth adjustable) outputs
- Powered via USB or adapter (not included)

DIXON DJ MEDIA PLAYER



DIXON **CDM-5000** CD/MP3/USB DJ MEDIA PLAYER

FEATURES:

- Audio CD, CD-R and mp3 compatible
- USB/SD card inputs
- Large blue-backlit LCD display
- Three selectable Jog Modes: Scratch, Search, Pitch Bend
- Instant start capability
- Fader-start capability
- Instant reverse for added effect
- DSP (Digital Signal Processing) function
- Brake Mode for vinyl-like stops
- High-speed rotary track search
- 10 numeric buttons for quick navigation
- Single and Continuous Play mode
- One seamless loop per side with re-loop
- Three mode time selection
- Frame accurate search
- Rubber jog-wheels with finger grips
- Fully programmable with repeat function
- 2-band EQ with gain control
- 1/4-inch and 1/8-inch headphone output
- XLR (balanced) outputs and 1/4 inch mic
- Auxiliary inputs for line devices

PASSIVE MIXING DESKS



DIXON **AM-502FX**

**5-CHANNEL
PASSIVE MIXER WITH DIGITAL SOUND PROCESSOR**

FEATURES:

- Mic inputs are all balanced XLR or 6.35mm stereo jack.
- Trim (or gain) to control the incoming signal on each channel.
- 3-Way EQ on each channel.
- Built-in 99 DSP (Digital Sound Processor) effects can be added to each channel in varying amounts.
- Each channel has a clip light to indicate that the incoming signal is too strong.
- Each channel has PAN control (left, centre or right).
- USB/SD MP3 input
- 7 Band EQ
- 48V Phantom Power: Sends 48V through the XLR inputs to power active microphones or DI boxes. Stereo auxiliary return jacks for adding an external effects source.
- Premium 18-Input 3/2 - Mixer
- Xenyx MIC Preamps British EQS
- 24-Bit Multi-FX Processor



DXN PRO **AM-MINI8**

**8-CHANNEL
PASSIVE MIXER WITH DIGITAL SOUND PROCESSOR**

FEATURES:

- Mic inputs are all balanced XLR or 6.35mm stereo jack.
- Trim (or gain) to control the incoming signal on each channel.
- 3-Way EQ on each channel.
- Built-in DSP (Digital Sound Processor) effects can be added to each channel in varying amounts.
- Each channel has a clip light to indicate that the incoming signal is too strong.
- Each channel has PAN control (left, centre or right).
- Main & control-room outputs (balanced 6.35mm jack).
- 48V Phantom Power: Sends 48V through the XLR inputs to power active microphones or DI boxes. Stereo auxiliary return jacks for adding an external effects source.
- MP3 player has its own EQ adjusters.
- USB and Bluetooth compatible.
- 32-Bit Multi-FX Processor

Ideal for use with the **DIXON** Pureslim system, or any **DXN PRO** power amplifier with matching speakers as stipulated in this catalogue.

USING A BASS BIN

ADVANTAGES OF USING A BASS BIN

- The lower frequencies in your sound-mix will use a large amount of the power available from your amplifier.
- Low-pitched notes sound better when they are produced by speakers with a larger surface-area.
- Using a bass bin with your PA system will free the other speakers from the power-draining low notes and allow your “mids” and “tops” to sound more pronounced, while also producing more warmth in the lower frequencies.
- A bass bin is most effective when it has its own amplifier.

HOW TO CONNECT A BASS BIN

- Do not add a bass bin to your PA system by merely connecting it in parallel to one of your other speakers.
 - This will lower the impedance on the channel you use, thus increasing the output of the amplifier and possibly causing severe damage.
- “Best practice” when adding a bass bin to your PA system is to use a separate amplifier and a crossover unit. This means that you will use one amplifier to drive your main speakers and another amplifier to drive your bass bin.

THE DXNPRO SC-202 CROSSOVER



- The DXNPRO SC-202 crossover is used when you want to connect more than 2 speakers and amplifiers in your PA system.
- Connect the L and R output-channels of the mixer to the L and R inputs on the back of the DXNPRO SC-202.
 - Connect the “Subwoofer” output on the back of the DXNPRO SC-202 to the amplifier driving the sub using an XLR cable.
 - Connect the L and R outputs on the DXNPRO SC-202 to the amplifier driving the top speakers.
- The DXNPRO SC-202 will correctly divide the signal coming from the mixer to the two amplifiers – low signals for the sub, and mid to high frequencies for the other speakers.
- Essential for DJs using a large PA system with multiple speakers and subwoofers.
- Ideal for large music groups, churches and schools where a subwoofer is required in the PA system.

SETTING THE CORRECT “MODE” ON YOUR AMPLIFIER

- Every power-amplifier has a “Mode” switch on the back that looks like this:

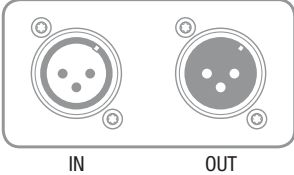


Mode Switch at the back of a power amplifier

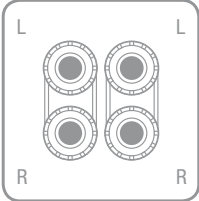
- **STEREO MODE** is the default setting and should not be changed unless stipulated in this Catalogue.
 - A stereo amplifier contains two separate built-in amplifiers – one for each channel (left and right).
 - Stereo Mode is used when you connect your mixer using both left and right outputs into the left and right inputs at the back of the amplifier, and have one speaker connected to each output (left and right).
 - When using a bass bin with an amplifier in Stereo Mode (as stipulated in this Catalogue), use only one speaker output (usually the left one) from the amp connected to only one input at the back of the bass bin (also the left one).
 - If this Catalogue says a bass bin should be driven by an amplifier in Stereo Mode it means that you can use two bass bins with that amp, one connected to each channel.
 - Never connect both outputs of your amplifier to both inputs at the back of your bass bin.
- **PARALLEL MODE** takes the incoming signal from only one input (left) and plays the outgoing signal to both speaker outputs (left and right).
 - This mode is used when you connect only one channel of a mixer to your amplifier but you want the sound to go to two bass bins, one on each amplifier output.
 - Parallel Mode is also used when you connect the single “Subwoofer” output from a crossover (e.g. DXNPRO SC-202) to the left input on your amp, but you connect two bass bins – one to each output (left and right).
 - The Wattage output in Parallel Mode is the same as in Stereo Mode.
- **BRIDGE MODE** combines the output of both amplifiers (left and right) into one mono channel – usually the left speaker output.
 - Channelling the power of both amplifiers into one mono channel will increase the Wattage output considerably – normally more than double the output achieved in Stereo Mode.
 - Bridge Mode is used most often to drive a bass bin that requires a high Wattage to operate at its optimum.
 - Do not use Bridge Mode unless stipulated in this guide.

POPULAR CONNECTORS

XLR CONNECTOR



**SPEAKER
BINDING POST**



SPEAKON



TRS/JACK



RCA

