



READY
S E R I E S

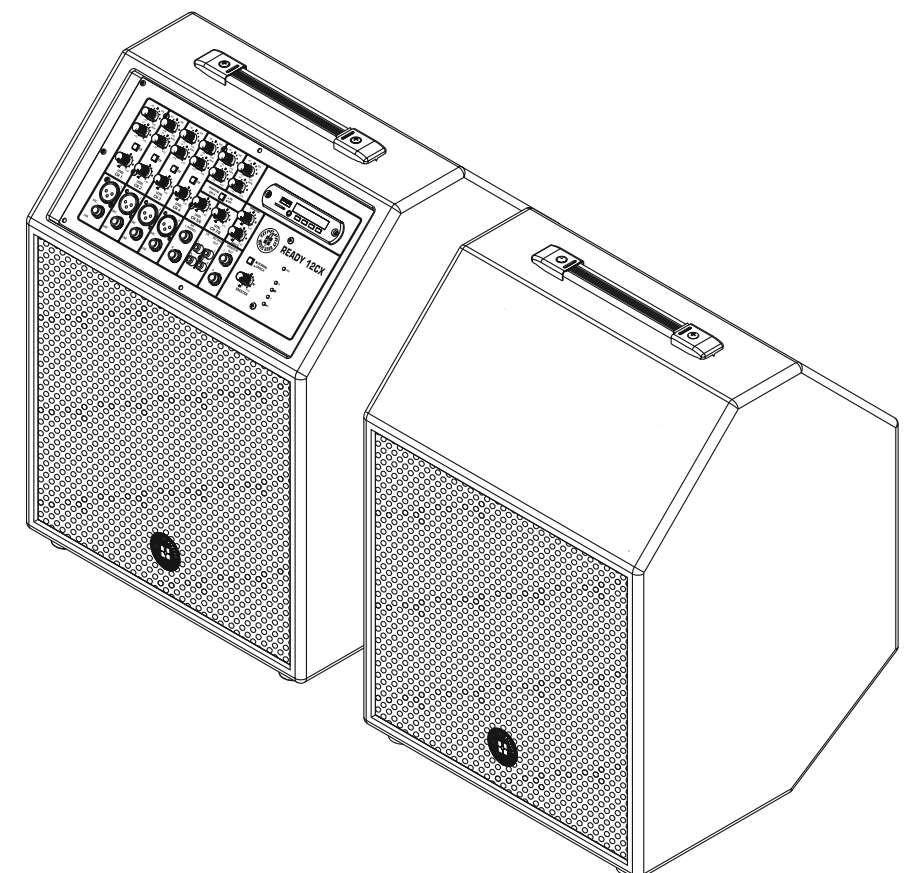
User's Manual



TOPP PRO MUSIC GEAR

www.topppro.com

Professional Speaker System
READY 12 / 12CX



READY
S E R I E S

Important Safety Instructions



TO REDUCE THE RISK OF ELECTRIC SHOCK PLEASE DO NOT REMOVE THE COVER OR THE BACK PANEL OF THIS EQUIPMENT. THERE ARE NO PARTS NEEDED BY USER INSIDE THE EQUIPMENT. FOR SERVICE, PLEASE CONTACT QUALIFIED SERVICE CENTERS.

This symbol, wherever used, alerts you to the presence of un-insulated and dangerous voltages in the product enclosure. These are voltages that may be sufficient to constitute the risk of electric shock or death.

This symbol, wherever used, alerts you to important operating and maintenance instructions. Please read.

Protective Ground Terminal

AC mains (Alternating Current)

Hazardous Live Terminal

ON: Denotes the product is turned on.

OFF: Denotes the product is turned off.

CAUTION
Describes precautions that should be observed to prevent damage to the product.

1. Read this Manual carefully before operation.
2. Keep this Manual in a safe place.
3. Be aware of all warnings reported with this symbol.
4. Keep this Equipment away from water and moisture.
5. Clean it only with dry cloth. Do not use solvent or other chemicals.
6. Do not damp or cover any cooling opening. Install the equipment only in accordance with the Manufacturer's instructions.
7. Power Cords are designed for your safety. Do not remove Ground connections! If the plug does not fit your AC outlet, seek advice from a qualified electrician. Protect the power cord and plug from any physical stress to avoid risk of electric shock. Do not place heavy objects on the power. This could cause electric shock or fire.
8. Unplug this equipment when unused for long periods of time or during a storm.
9. Refer all service to qualified service personnel only. Do not perform any servicing other than those instructions contained within the User's Manual.
10. To prevent fire and damage to the product, use only the recommended fuse type as indicated in this manual. Do not short-circuit the fuse holder.

WARNING

To reduce the risk of electric shock and fire, do not expose this equipment to moisture or rain.



Dispose of this product should not be placed in municipal waste and should be separate collection.

Before replacing the fuse, make sure that the product is OFF and disconnected from the AC outlet.

11. Move this Equipment only with a cart, stand, tripod, or bracket, specified by the manufacturer, or sold with the Equipment. When a cart is used, use caution when moving the cart / equipment combination to avoid possible injury from tip-over.



12. Permanent hearing loss may be caused by exposure to extremely high noise levels. The US. Government's Occupational Safety and Health Administration (OSHA) has specified the permissible exposure to noise level. These are shown in the following chart:

Hours x day	SPL	Example
8	90	Small gig
6	92	Train
4	95	Subway train
3	97	High level desktop monitors
2	100	Classic music concert
1.5	102	
1	105	
0.5	110	
0.25 or less	115	Rock Concert

According to OSHA, an exposure to high SPL in excess of these limits may result in the loss of hearing. To avoid the potential damage of hearing, it is recommended that Personnel exposed to equipment capable of generating high SPL use hearing protection while such equipment is under operation.

The apparatus shall be connected to a mains socket outlet with a protective earthing connection.

The mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

Notas

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WARRANTY

Topp Pro guarantees the normal operation of the product against any defect of manufacture and / or vice of material, by the term of (12) months, counted as of the date of purchase on the part of the user, committing itself to repair or to change, to its election, without position some, any piece or component that will fail in normal conditions of use within the mentioned period.

This guarantee is valid if the original buyer will have to present/display this certificate properly sealed and signed by the selling house, accompanied by the corresponding invoice of purchase where it consisted the model and serial number of the acquired equipment.

The guarantee does not cover:

- Damages caused by the illegal use of the product, repair and/or non authorized modification conducted by people by **Topp Pro**.
- Damages caused by the connection of the equipment to other equipment different from the specified ones in the manual of use, or by bad connection to these last ones.
- Damages caused by electrical storms, blows and/or incorrect transport.
- Damages caused by excesses or falls of tension in the network or by connection to networks with a tension different from the required one by the unit.
- Damages caused by the presence of sand, acid of batteries, water, or any strange element inside the equipment.
- Deteriorations produced by the course of the time, use and/or normal wear of the unit.
- Alteration or absence of the serial number of factory of the equipment.

The repairs could only be carried out the authorized technical service by **Topp Pro**, that will inform about the term and other details into the repairs to take place according to this guarantee.

Topp Pro, will repair this unit in counted a term non greater to 30 days as of the date of entrance of the unit to the Technical Service. In those cases in that due to the particularity of the spare part, outside necessary their import, the repair time and the viability of the same one will be subject to the effective norms for the import of parts, in which case one will inquire to the user about the term and possibility into repair.

With the object of its correct operation, and of the validity of this one guarantee, this product will have to be installed and to be used according to the instructions that are detailed in the manual associate or the package of the product.

This unit will be able to appear for its repair, next to the invoice of purchase (or any other proof where the date of purchase consists), to its authorized distributor Topp Pro or an authorized technical center on watch by **Topp Pro**.

Exclusion of damages:

THE RESPONSABILITY OF TOPP PRO BY ANY DEFECTIVE PRODUCT IS LIMITED THE REPAIR OR THE REPLACEMENT OF HE HIMSELF, TO TOPP OPTION PRO. IF WE CHOSE TO REPLACE THE PRODUCT, THE REPLACEMENT CAN BE A RECONDITIONATED UNIT. TOPP PRO WILL NOT BE RESPONSIBLE BY THE DAMAGES BASED ON THE LOST, INCONVENIENCE, LOSS OF USE, BENEFITS, LOST SAVINGS, BY THE DAMAGE TO OTHER EQUIPMENT OR OTHER ARTICLES IN THE USE SITE, OR BY ANY OTHER DAMAGE IF HE IS FORTUITOUS, CONSEQUENT OR OF ANOTHER TYPE, ALTHOUGH TOPP PRO HAS BEEN NOTICED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow to the exclusion or the limitation to the fortuitous or consequent damages, so the aforesaid limitation can not be applied to you.
This guarantee gives specific legal rights, you can also have other right that varies of state to state.

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1

Introduction

Thank you for choosing **TOPP PRO**. The new **TOPP PRO MUSIC GEAR READY 12/READY 12CX** cabinets have been designed to provide a cost effective high grade solution while maintainig high quality cabinet construction and optimum components.

The **READY 12/READY 12CX**, can be used for all types of applications including, but not limited to, churches, conference centers and discos. The woofer and neodymium driver combination provides excellent performance rivaling those cabinets costing much more.

Our Professional Audio Products are designed and tested by a highly qualified engineering team with more than 20 years of experience. Great care is placed in delivering products with excellent performance, specifications and dependable reliability. Also great emphasis is placed in creating and bringing to market products that can fill multiple applications and also offer customers exceptional value.

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Features

READY 12CX

- 2-Way 12" Vented Active Speaker System
- High Frequency: 1" Neodymium Tweeter
- Low Frequency: 12" (300mm) / 2" Voice Coil
- Frequency Response: 55Hz-20KHz (-6dB)
- X-over frequency: 3.5K Hz @ 12dB/Oct
- Max SPL: 122dB
- Power Supply: 110V / 230V @ 50-60Hz Switchable
- Amplifier: Class D 150W x 2, one for inside speaker 8Ω / one for optional external speaker 8Ω
- Power Handling: Continuous: 300W / Program: 600W
- Electronic Protections: Thermal / Overload / Analog limiter
- Enclosure: Trapezoidal painted wood cabinet. metal grille, Rubber Handle

Mixer:

- 8 Input channels with individual Volume control
- 2-band equalizer on each channel
- 4 XLR microphone Inputs with Phantom Power
- 2 RCA Line Inputs
- 2 RCA Line Outputs
- Monitor output
- Monitor level control
- Effects on Channels 1 to 4
- USB player / With BT

READY 12

- 2-Way 12" Vented Passive Speaker System
- High Frequency: 1" Neodymium Tweeter
- Low Frequency: 12" (300mm) / 2" Voice Coil
- Frequency Response: 55Hz-20KHz (-6dB)
- X-over frequency: 3.5K Hz @ 12dB / Oct
- Max SPL: 122d8
- Power Handling: Continuous: 150W / Program: 300W
- Enclosure: Trapezoidal painted wood cabinet, metal grille, Rubber Handle

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Useful data

Please write your serial number here for future reference.

Serial Number:

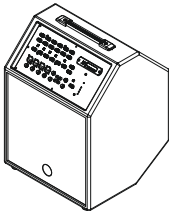
Date of purchase:

Purchased at:

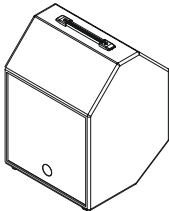
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Technical Specifications

Model Active	READY 12CX
System Type	2-Way12" Vented Active Speaker System
High Frequency	1" Neodymium Tweeter
Low Frequency	12"(300mm)/2" Voice Coil
Frequency Response	55Hz-20KHz (-6dB)
X-over frequency	3.5K Hz @ 12dB/Oct
Max SPL	122dB
MIXER	2-band equalizer on input channels
	8 Input channels with individual Volume control and 2 bands EQ
	4 XLR microphone Inputs with phantom power
	2 RCA Line Inputs
	2 RCA Line Outputs
	Monitor output
	Monitor level control
	Effeds Ch1-4
	USB player/With BT
	Powered output 150W(@8 Ohms) for optional external speakers
Power Supply	115V/230V @ 50 - 60Hz Switchable
Amplifier	Class D 300, one for inside speaker 8Ω/one for optional external speaker 8Ω
Electronic Protections	Thermal/Overload/Analog limiter
Power Handling	RMS-300Watts Program-600Watts
Enclosure	Trapezoidal painted wood cabinet. metal grille, Rubber Handle
Dimensions(H*W*D)	20.27"(515mm) x 15.35"(390mm) x 14.56"(370mm)
Net Weight	32.2lbs/14.6Kg

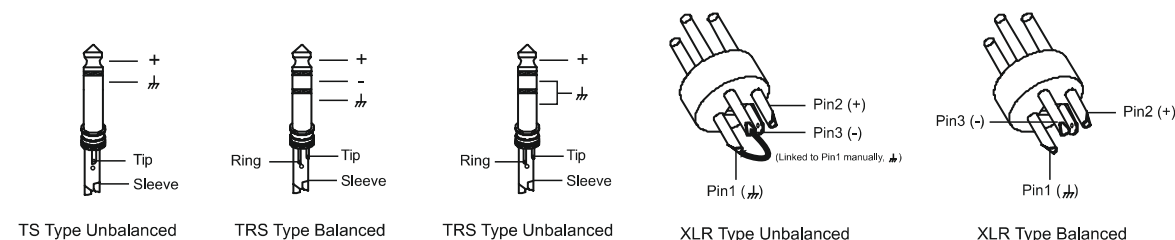


Model Active	READY 12
System Type	2-Way12" Vented Passive Speaker System
High Frequency	1" Neodymium Tweeter
Low Frequency	12"(300mm)/2" Voice Coil
Frequency Response	55Hz-20KHz (-6dB)
X-over frequency	3.5K Hz @ 12dB/Oct
Max SPL	120dB
Power Handling	RMS-300Watts Program-600Watts
Enclosure	Trapezoidal painted wood cabinet. metal grille, Rubber Handle
Dimensions(H*W*D)	20.27"(515mm) x 15.35"(390mm) x 14.56"(370mm)
Net Weight	30lbs/13.6Kg



Wire Connections

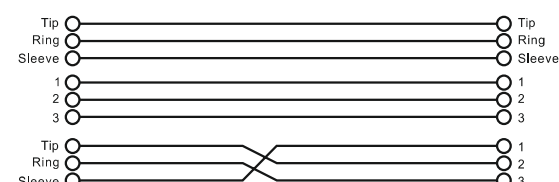
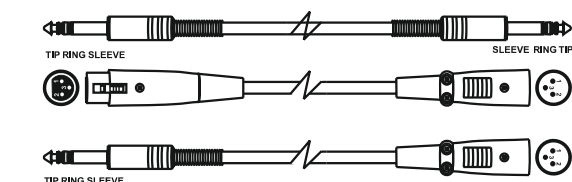
Both connectors, 1/4" XLR or TRS, can be wired in balanced or unbalanced way, depending on the work necessity. The following ones are examples of how these connectors can be wired:



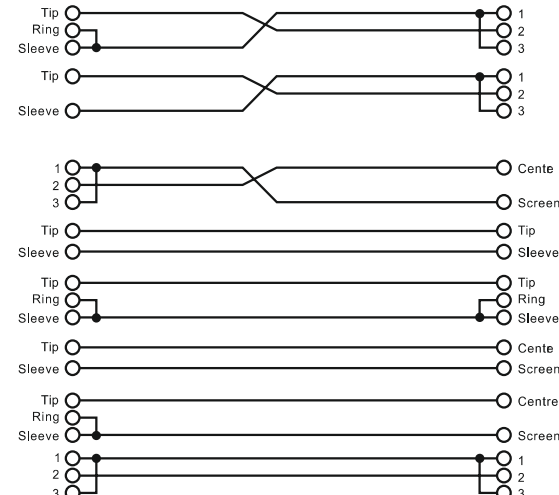
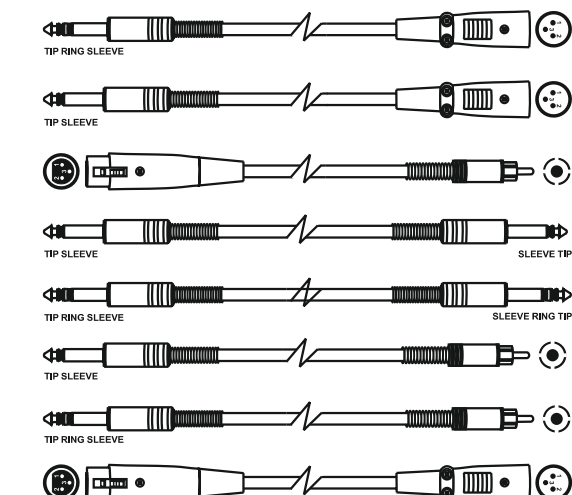
For Active Speaker Cabinets

As to these circumstances, audio connections is mostly intended for the signal flow, so, determine the wire configuration according to your real application system and its connecting facility. Normally, you have the following choices:

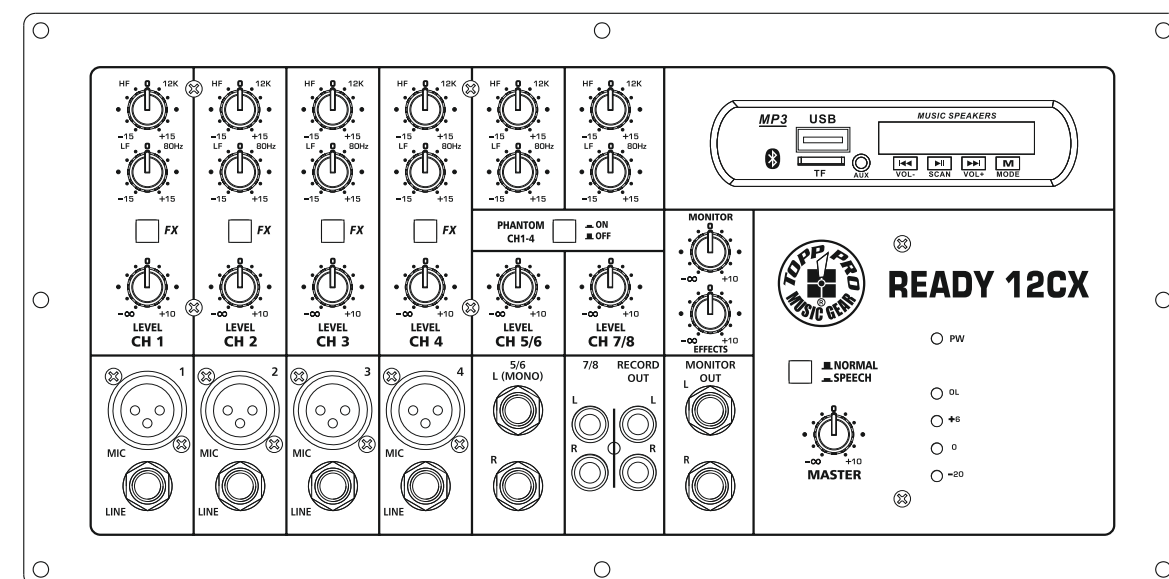
- **Balanced**



- **Unbalanced**



Control Element



1- Mono input channels

CH1 to CH4 come with balance Mic In and Line In connectors. Use the XLR (Mic In) socket to connect low impedance microphone or low level signal, which also features a phantom power allowing you to connect a condenser microphone. Use the 1/4" TRS (Line In) jack to connect either a microphone or a line instrument such as synthesizers, drum machines, effect processors or any other line level signal.

Note: you shall never connect an unbalanced microphone to the XLR socket if you do not want to damage both the microphone and the mixer.

Two-band equalizer

Two band equalizer
A two band equalizer is provided for all input channels, offering a wide range of frequency adjustment.

2- High

This is the treble control. You can use it to get rid of high frequency noises or to boost the sound of cymbals or high harmonics of the human voice.

The gain goes from -15dB to +15dB with a center frequency of 12kHz.

3- Low

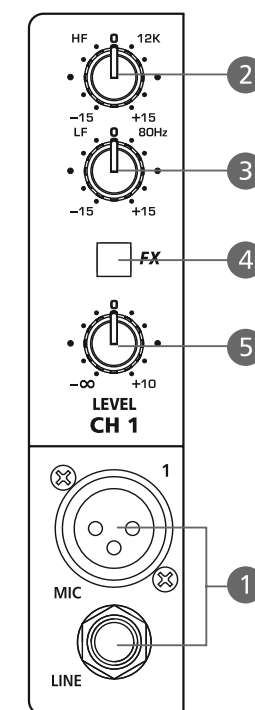
This is the bass control. it is used to boost male voice, kick drum or bass guitar. Your system will sound much bigger than what it is. The gain goes from -15dB to +15dB and the center frequency is 80Hz.

4- FX switch

Press this switch to send the signal to the FX bus.

5- Level control

3- Level control
This control is used to adjust the overall level of the respective channel.
The adjustable range goes from $-\infty$ to $+10\text{dB}$.

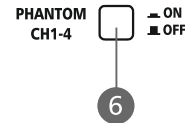


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Control Element

6- Phantom power switch and operating indicator

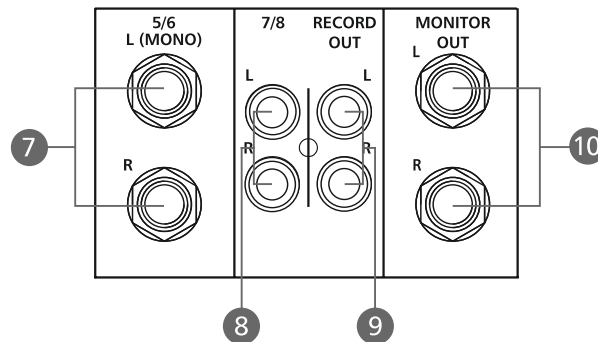
This switch will apply a phantom power only to the XLR sockets. When these XLR sockets are connected with devices that do not require phantom power, please make sure the phantom power is turned off, failure to do so may damage the device. When you press the phantom power switch, phantom power is engaged. When you press phantom power switch again, the phantom power is turned off.



7- Two-stereo line inputs

They are organized in stereo pairs and provided with 1/4" TRS jacks. They are used to connect the stereo devices, by plugging in both the left and right inputs.

For CH5/6, if you only use the left input signal to the STEREO INPUT, the signal will appear on both sides.



8- RCA in

The unit features dual RCA jacks (left and right). If you wish to listen to a tape recorder, DAT or cassette player, please use these tape input jacks to connect it to the mixer.

9- Record out

Via these jacks, you can route the main output signal into a tape recorder or a DAT for recording.

10- Monitor output

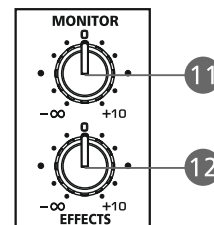
These jacks are used to connect the input of an external monitor amplifier or active monitor speaker.

11- Monitor level control

This control is used to adjust the level of the monitor output.

12- Effects

This control is used to adjust the volume of FX to the Main Output.

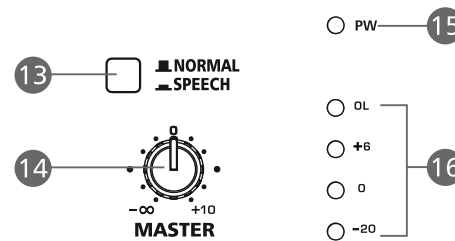


13- Normal/Speech

The Normal/Speech switch is used to change the overall frequency response, or tone contour. If your application is mainly for music, leave the switch up to select the normal response curve. If your application is mainly for speech, press the switch down to select the Speech response curve.

14- Master control

This control is used to adjust the speaker output level. The adjustable range goes from -∞ to +10dB.



15- Power LED

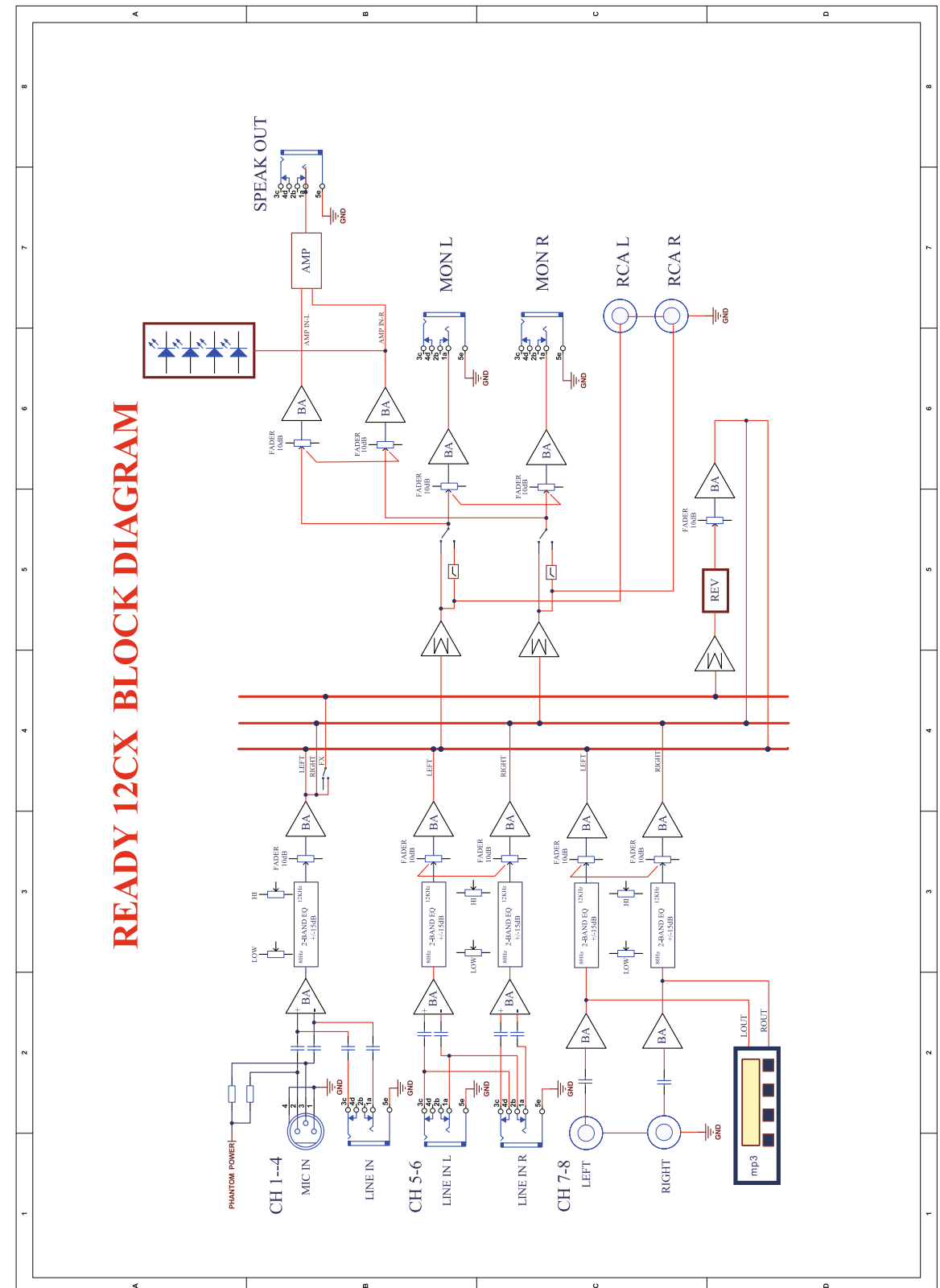
This LED lights up when the unit is powered on.

16- Output level LED

This 4-segment LED meter is used to indicate the output level.

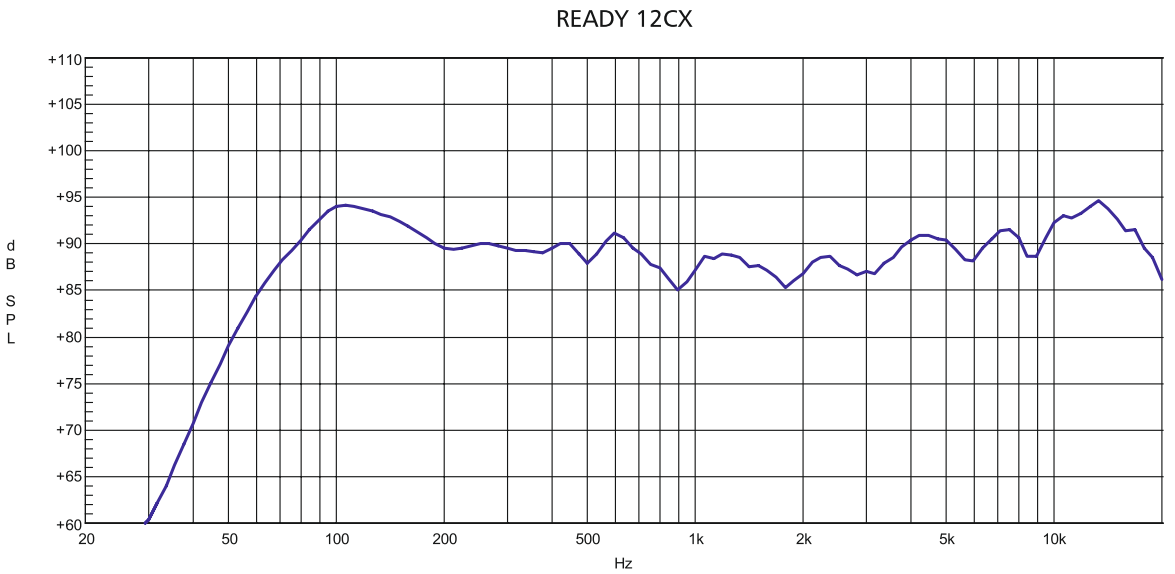
Block Diagram

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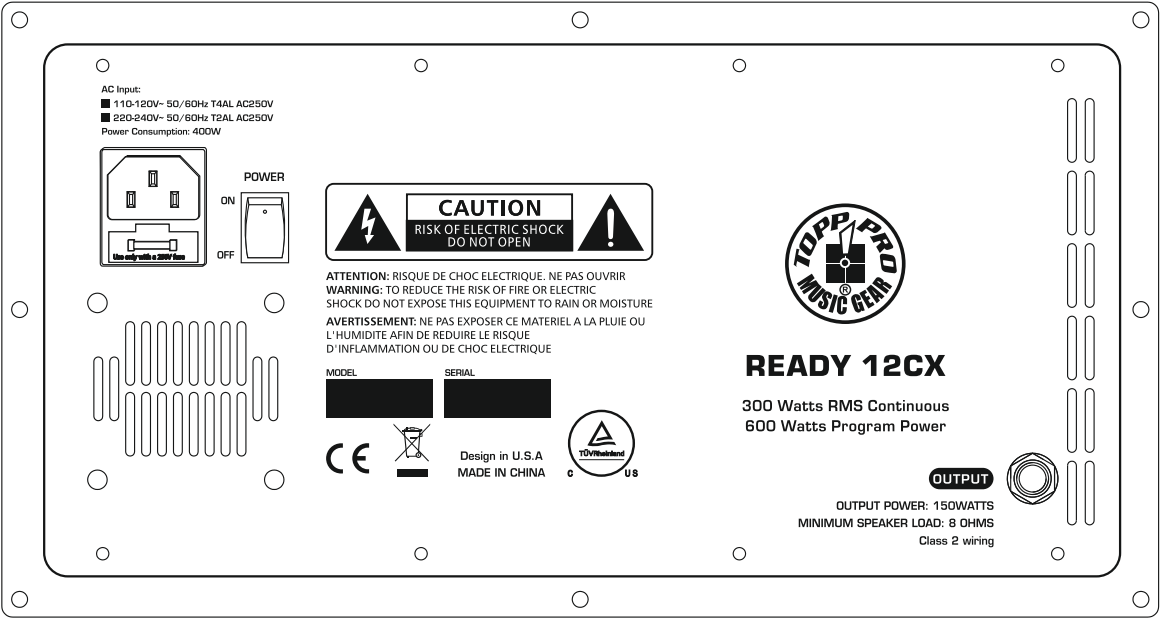
Frequency Response Diagram



Control Element

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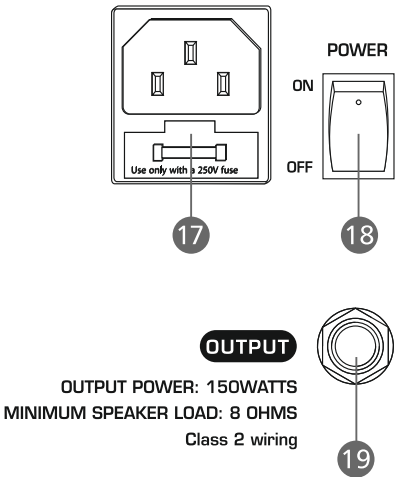
REAR PANEL



17- AC inlet
Connect your unit to the mains with the supplied power cord in this standard IEC receptacle.

18- Power switch
This switch is used to turn the unit On/Off.

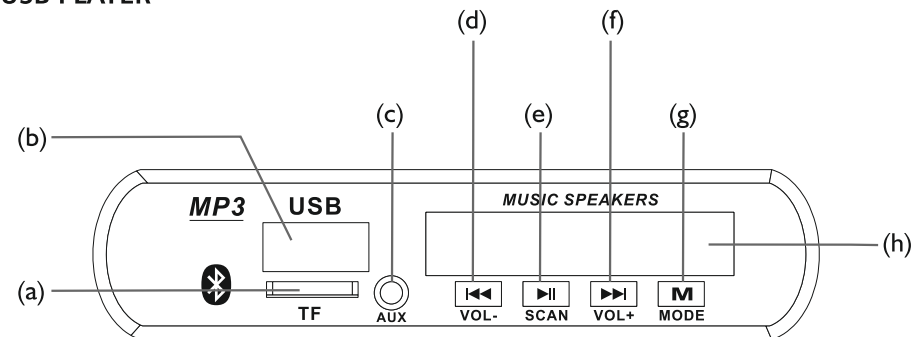
19- Speaker output
These connectors are used to output the signal to the speaker. The minimum speaker load is 8 Ohms.



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Control Element

USB PLAYER



- (a) Insert a standard microSD card
- (b) Insert USB player
- (c) Aux Input
- (d) Play the last song or decrease the volume after pressing 2 seconds
- (e) Press this key to start playing or Press this key to pause
- (f) Play the next song or increase the volume after pressing 2 seconds
- (g) PLAY MODE
- In the opening or playing state, press this key to select the three circling modes in order:
 Line: The player plays the files you input. The mark on the screen is "LINE".
 Bluetooth: The player plays the files from your bluetooth device The mark on the screen is "b t", In this state, you will hear a tone from the loudspeaker.
 From your Bluetooth device's settings page, enable Bluetooth and select " VIRE BT " as the device.
 USB : The player plays the files in a standard USB drive. The mark on the screen is "USB"
- (h) Display the status of USB playing

Quick start

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Before making any connections, make sure that all your equipment is turned off. In addition to all volume controls are completely down.

1. Connect a music player (CD) or microphones that you require to the **Ready 12CX** using good quality signal cables.
2. If you are using an external passive Cabinet, connect it to the power out connector designed for that purpose and use speaker cable.
3. Complete other connections as shown in the following figure. Then turn on the unit.
4. Turn up the control master to 75% and adjust each signal for each channel as you want the mixture.
5. Remember to always keep the output level below the saturation, avoid distortion and noise in the system.

