



USER'S MANUAL



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INTRODUCTION

Thank you for choosing XPRESSO. To ensure the best performance and get the maximum life out of the equipment, we recommend that you read this manual carefully.

XPRESSO is a self-contained PA sound system combining a mixer, a 70-watt (RMS) amplifier and a loudspeaker. It reproduces clear, natural sound and allows being independent at any PA application, including educational facilities, public buildings, shopping malls, meetings, seminars and congress centres, religious and funeral ceremonies... The front panel design makes it possible to add CD, MP3 and USB players - or UHF wireless modules.

ADVICE FOR A GOOD USE

- ✓ Charge the sound system before use.
- ✓ Do not use the sound system in a humid or dusty place, or near any heat sources such as radiators, heat registers, neither under the sun or at very low temperatures.
- ✓ Place the sound system in a ventilated place.
- ✓ Be careful when moving this unit in order not to damage the electronics.
- ✓ Carry the sound system with caution.
- ✓ Do not forget to decrease the volume switch before turning off the sound system.
- ✓ Handle the control switches carefully.
- ✓ Clean the sound system regularly.
- ✓ Keep the carton in case of return. Transport will be safe and without any risk of damage.



The exclamation point inside an equilateral triangle indicates the existence of internal components whose substitution may effect safety. Also indicates important operating instructions.



The lightning and arrowhead symbol warns about the presence of uninsulated dangerous voltage. To reduce the risk of electric shock, do not remove the cover. Refer servicing to qualified personnel.



BASIC EQUIPMENT

2 MIC OR/AND LINE MIXABLE INPUTS



Input N°1 is equipped with 1 XLR (3 pins) mic input, 1 line input equipped with 2 RCA connectors and a volume control. The input selection is automatic. If both inputs are connected, you can use them simultaneously



Input N°2 is equipped with 1 stereo Jack (6.35mm) mic input, 1 line input equipped with 2 RCA connectors and a volume control. The input selection is automatic. If both inputs are connected, you can use them simultaneously.

ⓘ CAUTION : MIC Adjustment

To avoid the larsen effect when you switch on mics, do not turn the gain if you are not far from Xpresso. ADVICE : We strongly recommend that you switch off the mic, adjust the volume of the Xpresso to the desired volume, then be a few meters away before switching on the mic again.

tone ADJUSTMENTS



The Xpresso is equipped with 3 highly performing tone adjustments.
1 bass frequency tone control on 100 Hz with +/- 12 dB efficiency.
1 treble frequency tone control on 10000 Hz with +/- 12 dB efficiency.
1 voice adjustment especially designed for use in medium frequency which allows for a sharp increase of voice presence on the mic inputs.

LINE OUTPUT



The Xpresso is equipped with 1 RCA line output enabling connection to another Xpresso or to any other sound system. You just have to connect the Xpresso Line out to the Line In of the selected equipment.



SPEAK OUTPUT

XPRESSO is equipped with an amplified jack output (diameter: 6,35) for potential use with another passive speaker, ref: SP10, signal cable: CH15.

NEVER CONNECT a 4 OHMS SPEAKER: THIS COULD DAMAGE THE XPRESSO'S AMPLIFIER. Jack cabling: you MUST use mono jack, + on the TIP, - on the RING.



MASTER VOLUME CONTROL

It is the general volume control output. This setting allows for balance of the different levels of each input.

BATTERY



XPRESSO is equipped with a lead 9Ah / 12V lead battery making lots of loadings and unloadings possible. When connected on AC main the sound system can work without time limit, while charging. Minimum autonomy: 3 hours, maximum: 6 hours.

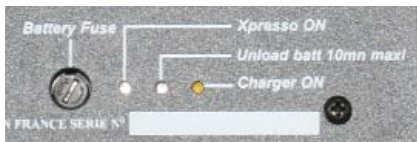
It is a battery drawer allowing quick and easy replacement if necessary. To do so, unlock the two screws and disconnect the two power threads while respecting the polarity.

ⓘ CAUTION: BATTERY LOADING

NEVER STOCK THE EQUIPMENT WITHOUT HAVING RELOADED IT. It is recommended to switch off the equipment while loading to ensure a full battery recharge.



CONTROL LEDS



- ✓ **GREEN LED "ON":**
 - The equipment is ready to work
 - The battery is loaded
- ✓ **RED LED "UNLOADED BATTERY":**
 - Battery has reached its time limit. Estimated working time left: from 5 and 20 minutes depending on working options.
 - If you have to use the equipment longer than the estimated time connect Xpresso on AC main. No working time limit, the battery is loading simultaneously.
 - If you do not have the possibility to connect the Xpresso to AC main, you can connect the device to a car battery (12V power cable CH15B) or to a Pack Battery with the 12 V DC input.
- ✓ **ORANGE LED "CHARGER":**
 - Xpresso under power, switch " ON "
 - The internal automatic charger will increase battery tension up to its highest level +/- 13 V.

OPTIONS XPRESSO

RECEIVER SDR-6216M



Selection of the channel LED A et B

Technical characteristics of receiver SDR-6216M

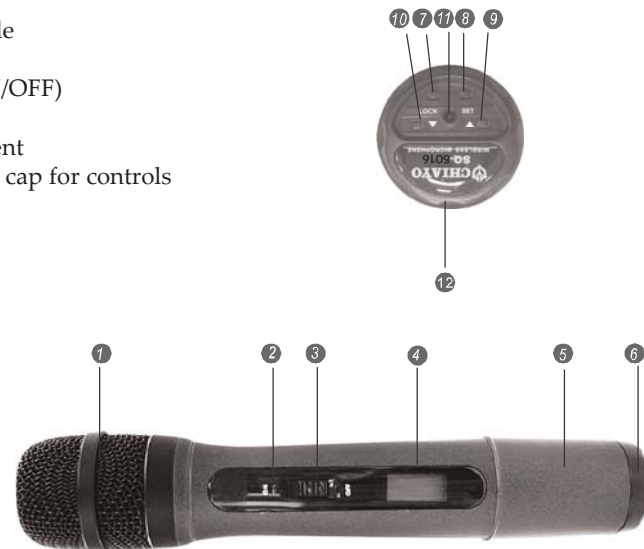
UHF receiver, True Diversity, with Pilotone.

- ✓ **Switch on the receiver:**
 - The switch on the right is power switch and volume control
 - ✓ **Switch on the handheld microphone/beltpack transmitter:**
 - The LEDS A and B are lighting when the UHF link between transmitter and receiver is ok.
 - Channel can be changed with the switch on the left side.
- If Xpresso is equipped with a 2nd receiver the operation is valid for the 2nd microphone.

HANDHELD TRANSMITTER MICROPHONE SQ-5016

The microphone is equipped with 16 frequencies

1. Microphone capsule
2. Battery status led
3. Power switch (ON/OFF)
4. LCD display
5. Battery compartment
6. Rotative protective cap for controls
7. Lock/Unlock
8. Set
9. UP
10. DOWN
11. Charging Port
12. Name plate



Microphone settings

Press on Set for 2 seconds to enter into Settings.

1. Making changes to CHANNEL/FREQUENCY
 - Use UP or DOWN button to go to the Channel/Frequency page. Pressing UP or DOWN button will increase or decrease the channel number. The corresponding frequency will change accordingly. When a desired channel is being selected, it will automatically be saved and stored in the memory.
2. Making changes to SENSITIVITY
 - Use UP or DOWN button to go to the Set page.. Use UP or DOWN to decrease or increase sensitivity. Level: 1 - 4 . for singing, Level 4 for speech or if microphone is used with a stand
3. Making changes to battery selection
 - Use UP or DOWN to go to the Battery selection page. Press UP or DOWN to move the cursor to either: NiMH (rechargeable battery) or AKLN (alkaline). When the battery has been selected it is saved and stored in the memory.

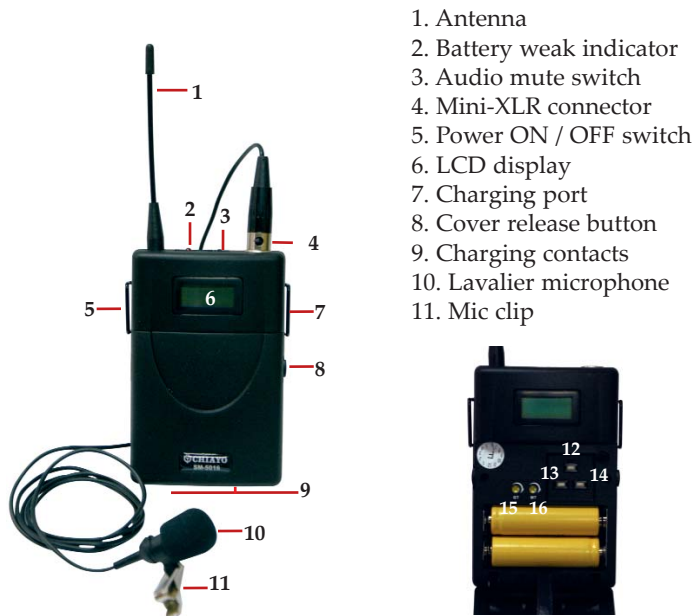
Changing Batteries

2 pieces of AA batteries are used. Unscrew the tap of battery compartment and insert the new batteries. BEWARE OF THE POLARITY





BELT TRANSMITTER SM-5016



1. Antenna
2. Battery weak indicator
3. Audio mute switch
4. Mini-XLR connector
5. Power ON / OFF switch
6. LCD display
7. Charging port
8. Cover release button
9. Charging contacts
10. Lavalier microphone
11. Mic clip



12. SET
13. UP
14. DOWN
15. GT
16. MT

Battery Installation

SM-5016 uses 2 pieces of " AA " size batteries (Alkaline battery is recommended). To install or remove the batteries, press the release buttons at the edges of the transmitter to open or close the cover as illustrated below.



CAUTION: BATTERY

For rechargeable batteries we strongly recommend NiMH batteries, no alkanies. Wrong batteries can damage the microphone functions. Check battery status. Many batteries are known to have leakage problem of conductive and corrosive liquid. Remove the batteries if you do not plan to use the belt transmitter for a few days. Also check that transmitter and receiver are on the same channel.

Belt transmitter settings

Press on Set for 2 seconds to enter into Settings.

1. Making changes to CHANNEL / FREQUENCY

Use UP or DOWN button to go to the CHANNEL /FREQUENCY page. The cursor will flash to allow changes to be made. Pressing UP or DOWN button will increase or decrease the channel number. The corresponding frequency will change accordingly. When a desired channel(frequency) is being selected, it will be automatically saved and stored in the memory.



2. Input Level Gain Control Adjustment

Low impedance (Lo-Z) " MT" & high impedance (Hi-Z) " GT" gain controls are situated inside the transmitter. Gain controls are adjustment ports that enable you touse microphones of differing output levels and Guitar or instruments with Hi-Z output. To adjust microphone (Lo-Z) input levels, turn the "MT" control and to adjust the Guitar or instrument (Hi-Z) input, adjust the "GT" gain control to set the transmitter's desired audio input level.

3. Making changes to Battery selection

Use UP or DOWN button to go to the Battery selection page. Press SET for about 2 seconds to activate the cursor. Press UP or DOWN button to move the cursor to either NiMH (rechargeable battery) or AKLN (Alkaline battery) position. When the desired option has been selected, press SET for about 2 seconds to save and store the data in the memory.



HC-30 Charger for the microphone, HC-37 for the belt transmitter

Handheld microphones and beltpack transmitters can be reloaded. The charger HC-30 is for the handheld microphone SQ-5016. The charger HC-37 is for handheld microphone SM-5016. Before loading check that the batteries are rechargeable ones.



HC-30



HC-37



UHF TRANSMITTER RP-6016M

Technical specifications of transmitter RP-6016M

UHF 16 frequencies , True Diversity, with Pilotone

1. Power switch (ON/OFF)
2. Antenna socket (TNC)
3. Channel
4. Audio sensitivity: clockwise to increase sensitivity and anti-clockwise to decrease.
5. Output power switch. L for LOW power and H for HIGH power. Low Output power will reduce the RF transmission distance and High Output power will extend the possible RF transmission distance.



The RP-6016M transmitter enables the link between Xpresso and other active sound systems (Nomade UHF, Premio UHF,...) or another sound system with a rackable UHF receiver (SDR 1816SC). Furthermore, Xpresso can be linked via cable to its passive annex cabinet SP10.



UHF amplified sound system Nomade



UHF amplified sound system Premio



UHF rackable receiver SDR 1816 C



Passive annex cabinet SP10

PIED SPS 4

Hand crank tripod stand is delivered with a bag. Height: 1,25-2,05 m / 49.2-80.7". Max load: 70 kg / 154 lbs



TROLLEY C-50X

The trolley bag C-50X was especially developed for Xpresso.

It exists 2 possibilities to carry Xpresso:

First of all you can use the trolley bag like a modern suitcase. It has wheels so you can roll it behind you. The plastic handle for it is situated on the top. Secondly, you can use this trolley like a sport bag. You have 2 long handles; 1 on each side of the bag.

The small handle located on the top of the trolley helps the customer to put up the bag. Never use it to carry Xpresso!



Do not use this handle to carry Xpresso.

H-50EXT

H-50EXT is an outdoor protective bag especially developed for Xpresso.





PLAYERS

The XPRESSO can be equipped with 2 players. You can choose between 4: CD/MP3/USB Player (reference CD-456), digital player (reference EM010PR), digital player/recorder (reference EM020R), built in under the LED or/and Record/Tape player (reference K7-EX-ED950).

CD-456

The CD player /MP3/USB Plug is equipped with an antichoc memory making it insensitive to use handle and vibrations.

The absence of drawer makes handling CDs in and out secure. It is equipped with Pitch control.



Keys	Explanation	Front Panel	Remote
PLAY/ PAUSE	If on Stop CD starts playing If on Play it turns to Pause If on Pause the CD starts playing again		
STOP/ EJECT	Stops music or CD ejection		
Pitch Control	Clockwise to increase music speed and anti clockwise to decrease music speed.		
ESP	Anti choc memory. Lasts 40 seconds		
UP/CUE Skip	Single and slightly pressed skips to next track. If pressed again a little longer goes forward in the track. Play mode: The selected track starts playing Stop/Pause mode: Skips to next track. Program mode: Skips to next track according to program selection		
DOWN/ REV Skip	Single and slightly pressed skips to previous track. If pressed again a little longer goes to previous track Play mode: The selected tracks starts automatically Stop/Pause mode: Playing does not start automatically Program mode: Skips to previous track according to program selection		
FOLDER Skip	Enables to skip to next file Stop mode: skips to next file Program mode : skips to the first track in the next file. Play mode : skips to the first track in the next file		



Keys	Explanations	Front panel	Remote
FOLDER Skip	Enables to skip to previous file Stop mode : skips to previous file Program mode : skips to first track in previous file Play mode : skips to first track in previous file		
REPEAT	"REPEAT" in following range <pre> repeat all random → repeat track → play all → ← repeat all random repeat ← </pre>		
PROG	Enables to choose the tracks . To delete this selection press Stop.		
MUTE	Mute : to cancel Mute press this button again.		
CD	Changes mode and skips to CD-MP3 mode		
USB	Changes mode and skips to USB mode		
VOL-	Decreases volume by 1 dB (lowest volume = 0dB)		
VOL+	Increases volume by 1 dB (highest volume 30dB)		
FIND	Enables to change the display information (Album or title) and to choose the right title or file.		
0~10	The keyboard enables to choose the title directly by typing title number + Play.		

EM-010PR

This player is equipped with Pitch Control.





Keys	Explanations	Front Panel Player	Remote
POWER	To switch on or off the player		
PLAY/PAUSE	Play Pause		
STOP USB/Card (FUNC)	Stops music Changes mode		
Pitch Control	Clockwise to increase music speed and anticlockwise to decrease music speed		
UP/CUE Title Skip	Press briefly to skip to next title. Press a little longer (>0,7s) to play forwards within a title Play mode: The selected title starts automatically Stop/Pause mode: The selected title does not start automatically Program mode: Enables to skip to next title.		
DOWN/ REV Title Skip	Press briefly to skip to previous title. Press a little longer (>0,7s) to play backwards within a title. Play mode: The selected title starts automatically Stop/Pause mode: The selected title does not start automatically Program mode: Skips to previous title		
PRE-UP FOL- DER>>	Press this to skip to next file Stop mode : to choose next file Program mode : to select the first title in next file. Play mode : to select the first title in next file		

Keys	Explanations	Front Panel Player	Remote
PRE- DOWN FOL- DER<<	Press this to skip to previous file Stop mode : to select previous file Program mode : to select the first title in previous file Play mode : to select the first title in previous file		
REPEAT	Press this for Repeat function Repeat 1 track Repeat 1 file: Repeat all track Repeat off → repeat 1 track → repeat 1 file → ← repeat all track ←		
PROG	Press this to select title. To delete the selection press Stop.		
MUTE	Mute: stops music Press and music starts again		
INTRO	Intro: plays each track for 10 seconds.		
RAN- DOM	Random play mode		
VOL-	Decreases volume by 1 dB (lowest volume = 0 dB)		
VOL+	Increases volume by 1dB (highest volume = 30dB)		
FIND	Press this to change information on display (name of album or title) and to select title or file.		
0-10	Tape directly number of title + play on the keyboard.		



EMO20R

MP3 / USB + SD MMC digital player/recorder.



Keys	Explanations	Front panel player	Remote
POWER	On/Off		
PLAY/PAUSE	Plays music Pause		
STOP	Stops music		
FUNC	To change mode 		
UP/CUE Title skip	Press briefly to select next title. Press a little longer to go forward in the title (>0,7s) Play mode : The selected track starts automatically Stop/Pause mode: The selected track does not start automatically. Program mode: Skips to next track according to selection		
DOWN/ REV Title skip	Press briefly to select previous title. Press a little longer to go backward in the title (>0.7s) Play mode : The selected track starts automatically Stop/Pause mode : The selected track does not start automatically Program mode : Skips to previous track according to selection		
DELETE	In USB mode , press DEL and use >> Next or << Back to select file. .Press for a while >> Next or << again to select the file. Press on DEL to start deleting the file		



Keys	Explanations	Front panel of player	Remote control
REC	<p>Press briefly the button FUNC to chose: MP3, SD MMC or AUX</p> <p>If you press a little longer you can choose the recording quality MID→HIGH→LOW→MID</p> <p>MID (128Kbps = medium quality), LOW (64Kbps = lowest quality), HIGH (256Kbps = highest quality)</p> <p>Select USB or CARD with >> Next or << Back</p> <p>Press "REC" to start recording . The display indicates REC WAIT, then REC AUX</p> <p>If you want to stop recording press STOP. On the display: REC OK</p> <p>CAUTION : Memory place You need space on your USB key or your card, otherwise recording will not be possible. The display indicates REC NG if problem with recording</p> <p>File structure of recording</p> <pre> graph LR USB[USB Root] --- TM[AUX] subgraph TM [TM-AUX] A1[AUX001.MP3] A2[AUX002.MP3] end USB --- TC[Track] subgraph TC [TMCDDA] T1[Track001.MP3] T2[Track002.MP3] end USB --- CD[Filename] subgraph CD [TMCDROM] C1[Filename001.MP3] C2[Filename002.MP3] end </pre>		
PRE-UP FOL- DER>>	<p>Skips to next folder</p> <p>Stop mode: skips to next file</p> <p>Program mode : skips to the first file in next folder</p> <p>Play mode : skips to the first file in next folder</p>		

Key	Explanations	Front panel Player	Remote control
PRE-DOWN FOL- DER<<	<p>Skips to previous folder</p> <p>Stop mode : Skips to previous folder</p> <p>Program mode: Selects first title in previous folder</p> <p>Play mode: Selects first title in previous folder</p>		
REPEAT	<p>"REPEAT"</p> <p>Repeat all: Repeat album:</p> <p>Repeat off → repeat all → repeat album</p>		
PROG	<p>PROG : to make a selection of titles</p> <p>To delete this selection, press STOP</p>		
MUTE	<p>Fonction Mute: music stops</p> <p>To get back to music, press again</p>		
INTRO	Intro: each title is being played for 10 seconds		
RAN- DOM	Random play mode		
VOL-	Volume decreases by 1 dB (lowest volume = 0dB)		
VOL+	Increases volume by 1 dB (highest volume 30dB)		
FIND	Press to change the information on display (name of album or title) and to select a title.		
0-10	Tape directly on the keyboard number of title + Play		



RECORD/TAPE PLAYER K7-EX-ED950

With the Record/Tape Player it is possible to listen to and to record tapes.



General features:

- ✓ Both sides play. Introduce the tape with the band on the right handside. Do not force the system. Press R PLAY or F PLAY and adjust the gain for the level you want.
- ✓ Recording function: The recorder output is on the main output. For recording load a tape and press REC and F PLAY (or R PLAY). The recorder signal is available on the general output. Recording level is automatic and depends on the volume of each input.
- ✓ Cue & review function: you can listen to the sound while fast-forwarding or rewinding
- ✓ Four digit LCD counter with back light.
- ✓ Level adjustment : gain control on tape player. Gain control switch allows to control the output level on tape.
- ✓ Pitch control: setting the playing speed.
- ✓ Three mode of auto-reverse: (1) endless (2) one cycle (3) single side
- ✓ APSS function skips to the beginning of previous/ subsequent tunes

ⓘ CAUTION: RECORD/TAPE PLAYER

It is possible to mix all Xpresso inputs. In order to avoid a hum during the recording it is recommended to increase the levels of the input and to decrease the master volume.

TECHNICAL DATA OF XPRESSO

RMS Power	70 WattS / 4 ohms
Speaker	1 woofer 10" - 25 cm / 1 compression driver 1"
Power Requirements	AC 220v
Lead Battery	Built-in battery on drawer 9 Ah - 12 V with fast automatic battery charger
Working Time	3 hours minimum and 6 hours maximum on built in battery / unlimited on AC main
Inputs	2 MIC or/and LINE mixable inputs: ✓ RCA Line control input ✓ balanced MIC control input + phantom power on XLR ✓ balanced MIC control input on Jack 12 volt input
Bands EQ	Bass, Mid, Treble
Outputs	Master volume control 1 RCA Line Output (post fader) 1 output Speaker on Jack 6.35
More Information	Drop handle 35 mm (1.43") flange for floor stand Dimensions: 52 x 32,5 x 31,5 cm / 20.5 x 12.8 x 12.4" Weight : 18 kg / 39.6 lbs Black plywood cabinet