

# illico

## USER'S MANUAL



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## SUMMARY

### INTRODUCTION

Page 3

### ADVICE FOR A GOOD USE

Page 3

### BASIC EQUIPMENT

Page 4

- MIXABLE INPUTS
- TONE ADJUSTMENTS
- LINE OUTPUT, SPEAK OUTPUT
- BATTERY
- CONTROL LEDS
- POWER SUPPLY INPUT

Page 4

Page 4

Page 4

Page 5

Page 5

Page 5

### OPTIONS

Page 6

- WIRELESS RECEIVERS
- HANDHELD MIC/TRANSMITTERS
- BELT TRANSMITTERS
- CHARGERS AND TRIPOD STAND
- PLAYERS

Page 6

Pages 7-8

Pages 9-11

Page 11

Pages 12 - 21

### TECHNICAL DATA OF ILLICO

Page 22

### NOTES

Pages 23-24

## INTRODUCTION

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

ILLICO is a 70-watt battery powered PA system which delivers premium performance and excellent return on investment. Offering up to six hours continuous use Illico is always ready to work and in addition very easy to install. The mixer features 1 MIC/Line input and a 3-bands EQ. It is possible to choose between a VHF or UHF non diversity or UHF true diversity wireless module. Furthermore, the front panel design allows integrating 1 CD/Digital player or Digital recorder. The optional passive annex cabinet SP-265 makes it possible to multiply the acoustic power.

### 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



ILLICO is equipped with 1 balanced MIC control input on Jack 6,35 and 1 RCA Line control input.. 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 ILLICO. ADVICE : We strongly recommend that you switch off the mic, adjust the volume of the ILLICO to the desired volume, then be a few meters away before switching on the mic again.

## tone ADJUSTMENTS



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

## SPEAK OUTPUT



ILLICO is equipped with an amplified jack output (diameter: 6,35) for potential use with another passive speaker, ref: SP-265, signal cable: CH15.

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



## BATTERY



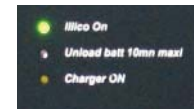
ILLICO is equipped with a lead 9Ah / 12V lead battery making lots of loadings and unloadings possible. When connected on AC main the sound system can work without time limit, while charging. Minimum autonomy: 3 hours, maximum: 6 hours.  
It is a battery drawer allowing quick and easy replacement if necessary. 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 of 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 on AC main. No working time limit, the battery is loading simultaneously.
- ✓ **ORANGE LED "CHARGER":**
  - ILLICO under power, switch " ON "
  - The internal automatic charger will increase battery tension up to its highest level +/- 13 V.



## POWER SUPPLY INPUT



12 Volts power supply input. Allows working on AC main and battery loading of ILLICO. It is recommended to use the provided cable for recharge.



# OPTIONS ILLICO

## WIRELESS SYSTEM VHF OR UHF

The cabinet can be equipped with one wireless system. It can be chosen between a VHF single frequency receiver (non diversity), a UHF 16 frequency receiver (non diversity) and a UHF 16 frequency receiver (true diversity).

### Technical characteristics of receiver R-300M

VHF receiver, Non Diversity



✓ **Volume button:**

Separate volume control for the wireless system.

✓ **Switch on the handheld microphone/beltpack transmitter:**

The LED is lightning when the VHF link between transmitter and receiver is ok.

### Technical characteristics of receiver SDR-500M

UHF receiver, True Diversity, with Pilotone.



✓ **Volume button:**

Separate volume control for the wireless system.

✓ **Switch on the handheld microphone/beltpack transmitter:**

The LED is lightning when the UHF link between transmitter and receiver is ok. Channel can be changed with the switch located near the volume control.

## 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 lightning when the UHF link between transmitter and receiver is ok. Channel can be changed with the switch on the left side.

## VHF OR UHF HANDHELD MICROPHONE TRANSMITTER

Corresponding to the wireless system the Microphone has to be a VHF or UHF Microphone Transmitter.

### HANDHELD MICROPHONE TRANSMITTER Q-1002 (VHF)

The microphone is equipped with 1 frequency

1. Microphone capsule
2. Battery status - LED indicator
3. Battery compartment
4. Power switch (ON/OFF)



### Battery Installation

Q-1002 uses 1 piece of 9V battery. To install new or replace the old battery, First unscrew the battery cap from the battery compartment, then insert the new battery according to its correct polarity as indicated. For longer operation hour, Alkaline battery is recommended! After putting the battery cover back to the housing, slide the switch to "ON" position as shown below.

As soon as the power is on, the battery-status indicator will give flash, indicating a normal operation. If there is no flash, it indicates either power supply is not available or battery is installed wrongly.

After switching on, the therefore signal indicator LED(s) of matching receiver will light up, indicating the microphone signal transmission is in normal operation.

Switch off the power when the microphone is not in use, meanwhile, remove the battery out of microphone if it is not to be used for an extended period.



### CAUTION: BATTERY

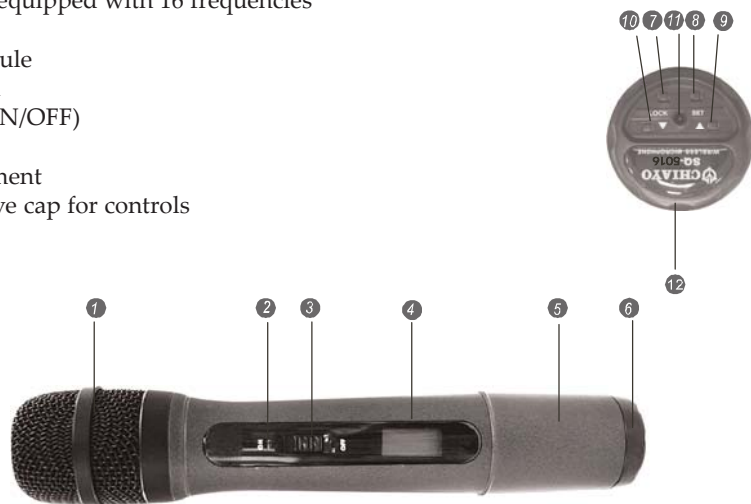
For longer operation hour, Alkaline battery is recommended! Wrong batteries can damage the microphone functions. Check battery status. Many batteries are known to have leakage problem of conductive and corrosive liquid. Remove the batteries if you do not plan to use the microphone for a few days.



## 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



## VHF OR UHF BELT TRANSMITTERS

Corresponding to the wireless system the Belt Transmitter has to be a VHF or UHF Transmitter.

### BELT TRANSMITTER M-1002 (VHF)

#### Input level Gain control adjustment

Low-impedance "MT" gain control is situated inside the beltpack transmitter. Gain control port is an adjustable design that enables user to use microphones of different output levels. To adjust the audio input levels, simply use a small screw driver to switch the "MT" control till a desired level is chosen.



#### Battery Installation

M-1002 uses 1 piece of 9V battery. To install new or replace the old battery, first open the battery compartment cover, then insert the new battery according to its correct polarity as indicated. For longer operation hour, Alkaline battery is recommended!

#### Belt Clip

This uniquely designed belt clip allows 360 degree rotation. Select the best position to achieve optimum wearing comfort.

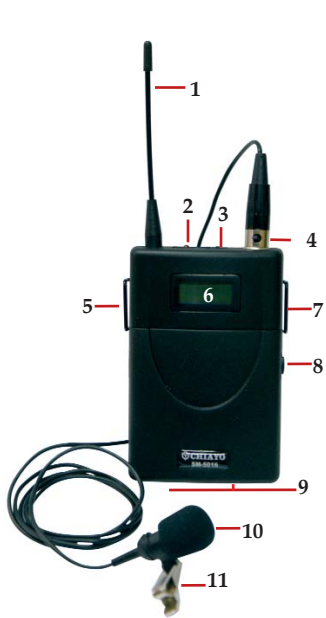
### ⓘ CAUTION: BATTERY

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.





## 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



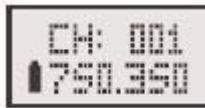
12. SET
13. UP
14. DOWN
15. GT
16. MT

### 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 to use 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.



### 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.

### 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

### 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





## 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. <b>Play mode:</b> The selected track starts playing <b>Stop/Pause mode:</b> Skips to next track. <b>Program mode:</b> 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 <b>Play mode:</b> The selected tracks starts automatically <b>Stop/Pause mode:</b> Playing does not start automatically <b>Program mode:</b> Skips to previous track according to program selection		
FOLDER Skip	Enables to skip to next file <b>Stop mode:</b> skips to next file <b>Program mode :</b> skips to the first track in the next file. <b>Play mode :</b> skips to the first track in the next file		



Keys	Explanations	Front panel	Remote
FOLDER Skip	Enables to skip to previous file <b>Stop mode</b> : skips to previous file <b>Program mode</b> : skips to first track in previous file <b>Play mode</b> : 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	<b>Mute</b> : 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 <b>Play mode:</b> The selected title starts automatically <b>Stop/Pause mode:</b> The selected title does not start automatically <b>Program mode:</b> 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. <b>Play mode:</b> The selected title starts automatically <b>Stop/Pause mode:</b> The selected title does not start automatically <b>Program mode:</b> Skips to previous title		
PRE-UP FOL- DER>>	Press this to skip to next file <b>Stop mode :</b> to choose next file <b>Program mode :</b> to select the first title in next file. <b>Play mode :</b> 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 <b>Stop mode :</b> to select previous file <b>Program mode :</b> to select the first title in previous file <b>Play mode :</b> to select the first title in previous file		
REPEAT	Press this for Repeat function <b>Repeat 1 track</b> <b>Repeat 1 file:</b> <b>Repeat all track</b>  Repeat off → repeat 1 track → repeat 1 file → ← repeat all track ←		
PROG	Press this to select title. To delete the selection press Stop.		
MUTE	<b>Mute: stops music</b> Press and music starts again		
INTRO	<b>Intro:</b> 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) <b>Play mode :</b> The selected track starts automatically <b>Stop/Pause mode:</b> The selected track does not start automatically. <b>Program mode:</b> 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) <b>Play mode :</b> The selected track starts automatically <b>Stop/Pause mode :</b> The selected track does not start automatically <b>Program mode :</b> Skips to previous track according to selection		
DELETE	In <b>USB mode</b> , 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 <b>MID→HIGH→LOW→MID</b></p> <p><b>MID</b> (128Kbps = medium quality), <b>LOW</b> (64Kbps = lowest quality), <b>HIGH</b> (256Kbps = highest quality)</p> <p>Select <b>USB</b> or <b>CARD</b> with &gt;&gt; Next or &lt;&lt; Back</p> <p>Press "REC" to start recording . The display indicates <b>REC WAIT</b>, then <b>REC AUX</b></p> <p>If you want to stop recording press <b>STOP</b>. On the display: <b>REC OK</b></p> <p><b>CAUTION : Memory place</b> You need space on your USB key or your card, otherwise recording will not be possible. The display indicates <b>REC NG</b> if problem with recording</p> <p>File structure of recording</p> <pre> graph LR     USB[USB Root] --- TM[AUX]     subgraph TM_AUX [TM-AUX]         A1[AUX001.MP3]         A2[AUX002.MP3]     end     subgraph TMCDDA [TMCDDA]         C1[Track001.MP3]         C2[Track002.MP3]     end     subgraph TMCDDROM [TMCDDROM]         D1[Filename001.MP3]         D2[Filename002.MP3]     end     </pre>		
PRE-UP FOL- DER>>	<p>Skips to next folder</p> <p><b>Stop mode:</b> skips to next file</p> <p><b>Program mode :</b> skips to the first file in next folder</p> <p><b>Play mode :</b> 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><b>Stop mode :</b> Skips to previous folder</p> <p><b>Program mode:</b> Selects first title in previous folder</p> <p><b>Play mode:</b> Selects first title in previous folder</p>		
REPEAT	<p>"REPEAT"</p> <p><b>Repeat all:</b> <b>Repeat album:</b></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><b>Fonction Mute:</b> music stops</p> <p>To get back to music, press again</p>		
INTRO	<p><b>Intro:</b> each title is being played for 10 seconds</p>		
RAN- DOM	<p>Random play mode</p>		
VOL-	<p>Volume decreases by 1 dB (lowest volume = 0dB)</p>		
VOL+	<p>Increases volume by 1 dB (highest volume 30dB)</p>		
FIND	<p>Press to change the information on display (name of album or title) and to select a title.</p>		
0-10	<p>Tape directly on the keyboard number of title + Play</p>		



## NOTES

# TECHNICAL DATA OF ILLICO

## Basic Equipment

RMS Power	70 Watts / 4 ohms
Speaker	2 woofers 6.5" - 16 cm / 1 compression driver 1"
Power Requirements	Operates on AC 220v
Frequency Response	70 Hz - 20 KHz
Lead Battery	Built-in battery 9 Ah - 12 V Fast automatic battery charger integrated
Working Time	3 -6 hours on built in battery / unlimited on AC main
Inputs	Mixable inputs: 1 RCA Line control input 1 balanced MIC control input on Jack 6,35
Bands EQ	Bass, Mid, Treble
Outputs	RCA Line Output Output speaker on Jack 6.35
More information	Drop handle 35 mm (1.43") flange for floor stand Dimensions: 46 x 29,5 x 26 cm / 18.1 x 11.6 x 10.2" Weight : 15 kg / 33 lbs Black plywood cabinet



# NOTES