

PRODUCT RANGE

PREMIO

USER'S MANUAL



Example of 1 Premio/8" equipped with 1 UHF receiver and 1 USB/MMC Card player.

Example of 1 Premio/15" equipped with 1 UHF receiver and 1 CD player.



Techniques Audio Groupe

Route de Lavérune
Montée du Terral
34430 Saint Jean de Védas
France

Tel : +33 (0)4 67 27 43 05
Fax : +33 (0)4 67 27 85 64
contact@tag-fr.com
www.tag-fr.com



SUMMARY

INTRODUCTION

INTRODUCTION

Page 03

Thank you for choosing a model of our product range PREMIO. To ensure the best performance and get the maximum life out of the equipment, we recommend that you read this manual carefully.

ADVICE FOR A GOOD USE

Page 03

The product range PREMIO combines cabinets (70 W RMS) which are suitable for both indoor and outdoor applications like conferences, seminars or religious ceremonies, exhibitions, aerobics, shopping centre presentations... The built-in battery which offers up to 6 hours continuous use.

BASIC EQUIPMENT

Page 04

These compact PA systems are lightweight, easy to use and deliver clear and powerful sound. Options would be wireless receiver, transmitter, digital player or CD player.

- LOUDSPEAKER

Page 04

- POWER ON/OFF SWITCH

Page 04

- MIC/LINE INPUTS

Page 04

- 3 BANDS EQ

Page 04

- LINE OUTPUT AND OUTPUT SPEAKER

Page 05

- POWER SUPPLY OUTPUT

Page 05

- BATTERY AND CONTROL LEADS

Page 05

OPTIONS PREMIO/8"

Page 05

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.

- RECEIVER MODULES R-300M and SDR-500M

Page 06

- PLAYER T-EM040

Page 06

OPTIONS PREMIO/12" and 15"

Page 09



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

- RECEIVER MODULES R-300M, SDR-500M, SDR-6216M

Page 09

- PLAYER CD-456/HUR

Page 09

ACCESSORIES PREMIO RANGE

Page 13



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.

- HANDHELD TRANSMITTERS

Page 13

- BELTPACK TRANSMITTERS

Page 15

- TRIPOD STANDS

Page 19

TECHNICAL DATA

Page 20



BASIC EQUIPMENT

LOUDSPEAKER

Premio8": The sound system is equipped with one loudspeaker:

- 70 Watt RMS/ 4 ohms
- 1 woofer 8" - 20 cm
- 1 compression driver 1"

Premio12": The sound system is equipped with one loudspeaker:

- 70 Watt RMS/ 4 ohms
- 1 woofer 12" - 31 cm
- 1 compression driver 1"

Premio15": The sound system is equipped with one loudspeaker:

- 70 Watt RMS/ 4 ohms
- 1 woofer 15" - 38 cm
- 1 compression driver 1"



ON/OFF BUTTON

Use this button to switch on/off the device.

1 MIC INPUT and 1 LINE INPUT



The cabinet is equipped with 1 Jack mic input, 1 RCA line input with 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 up if you are not far from the speaker. We strongly recommend that you switch off the MIC, adjust the volume of the speaker to the desired volume , then be a few meters away before switching on the MIC again.

TONE ADJUSTMENTS

The cabinet is equipped with 3 highly performing tone adjustments.
1 bass frequency tone control on 100 Hz with +/- 12 dB efficiency.
1 mid frequency tone control on 1000 Hz with +/- 12 dB efficiency.
1 treble frequency tone control on 10000 Hz with +/- 12 dB efficiency.



LINE OUTPUT

The XLR connector allows for wire connection with active speakers.



SPEAK OUTPUT

The 4 pole Speakon plug allows for wire connection with the passive speaker Premio/P.



POWER SUPPLY INPUT

110-240 Volts power supply input. Allows working on AC main and battery loading of PREMIO. It is recommended to use the provided cable for recharge.

BATTERY

The sound system Premio8" is equipped with one 2.3 Ah - 12 V lead battery and Premio12" and Premio15" with one 9Ah - 12 V lead battery making lots of loadings and unloadings possible. When connected on AC main the sound system can work without time limit, while charging.

Premio 8": Minimum autonomy: 2 hours, maximum: 3 hours.

Premio 12" and Premio15": Minimum autonomy: 3 hours, maximum: 6 hours.



CONTROL LEDS

- ✓ **GREEN LED "ON":**
 - The equipment is ready to work
 - The battery is loaded
- ✓ **YELLOW LED "CHARGER":**
 - The charger is loading.
 - The internal automatic charger will increase battery tension up to its highest level +/- 13 V.

ⓘ 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.



OPTIONS PREMIO/8"

WIRELESS SYSTEM VHF OR UHF

The cabinet can be equipped with one wireless system. It can be chosen between a VHF single frequency receiver or a UHF 16 frequency receiver. The receiver is built in the inferior part.

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, Non 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 under the volume control.

DIGITAL PLAYER

Premio/8" can be equipped with one USB/MP3 and MMC Card player which can read MP3 and WMA format.



Key	Explanation	Front cover of the player
PLAY/ PAUSE	Starts/ Pauses playback	
STOP	Stops playback.	
UP/CUE Skip	This function allows you to select a specific title. In stop mode: Changes the starting play track (file) during stop mode or cyclics to the first track, if it is the last track. In play mode, pause mode, random play mode: Selects the next title (file).	
DOWN/ REV Skip	This function allows you to select a specific title. In stop mode: Changes the starting play track (file) during stop mode or cyclics to the last track, if it is the first track. In play mode, pause mode, random play mode: Selects the previous title (file).	
FOLDER UP	Press this button to select the next folder. In stop mode: Skips the starting play folder and selects the next folder. It cyclics to the first folder if it is the last folder. In normal play mode: Skips the current file and selects the next folder's first file.	



Key	Explanation	Front cover of the player
FOLDER DOWN	Press this button to select the previous folder. In stop mode: Skips the starting play folder and selects the previous folder. It cycles to the last folder if it is the first folder. In normal play mode: Skips the current file and selects the previous folder's first file.	
REPEAT	[repeat] mode is changed cyclically shown below Repeat off → repeat one track → repeat all	
RST	System reset.	
RANDOM	All titles are played in a random sequence	
VOL.- VOL.+	Decrease volume Increase volume	
FUNC	This button allows to select CARD or USB mode.	
+10	When this key is pushed during playback, pause or stop, the device selects the 10th MPR3 file which is following the current file. If less than 10 files are left during playback, the device plays the first file..	

OPTIONS PREMIO/12" AND PREMIO/15"

WIRELESS SYSTEM VHF OR UHF

The cabinet can be equipped with one wireless system. It can be chosen between a VHF single frequency receiver or a UHF 16 frequency receiver. The receiver is built in the inferior part.

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 lightening when the VHF link between transmitter and receiver is ok.

Technical characteristics of receiver SDR-500M

UHF receiver, Non Diversity, with Pilotone.



✓ **Volume button:**

Separate volume control for the wireless system.

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

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

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 or B are lightening when the UHF link between transmitter and receiver is ok.
Channel can be changed with the switch on the left side.





PLAYER: CD-456/HUR

The PREMIO12" and PREMIO15" can be equipped with 1 player CD-456/HUR. The CD player /MP3/USB Plug is equipped with an antichoc memory making it insensible 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.		

ACCESSORIES PREMIO RANGE

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

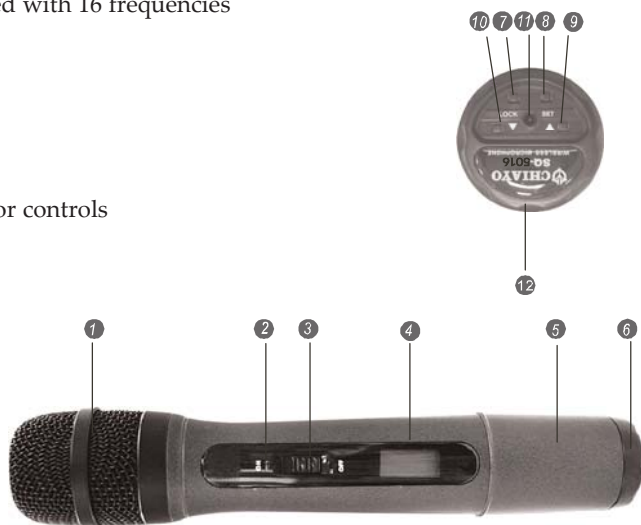
For longer operation hour, Alkaline battery is recommended! Wrong batteries can damage the microphone functions. Check battery status. Many batteries are known to have leakage problem of conductive and corrosive liquid. Remove the batteries if you do not plan to use the microphone for a few days.



HANDHELD MICROPHONE TRANSMITTER SQ-5016 (UHF)

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



ⓘ CAUTION: BATTERY

For rechargeable batteries we strongly recommend NiMH batteries, no alkalies. 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. Also check that transmitter and receiver are on the same channel.

HC-30 Charger

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



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 battery if you do not plan to use the belt transmitter for a few days.

BELT TRANSMITTER SM-5016 (UHF)



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 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.



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.



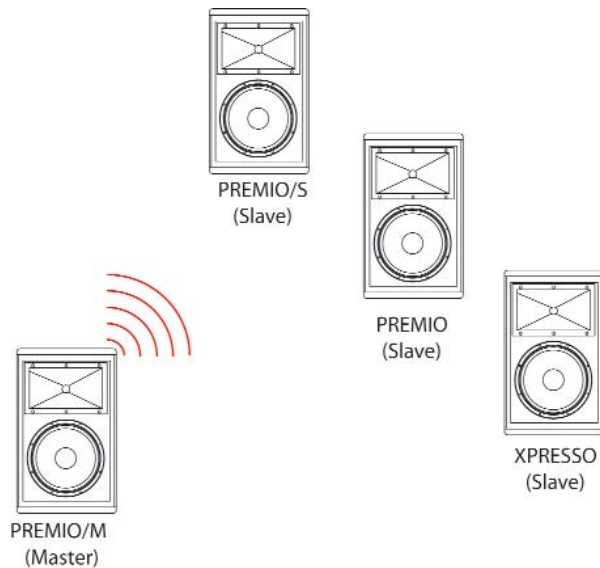
HC-37 Charger

The backpack transmitter SM-5016 can be reloaded with the charger HC-37. Before loading check that the batteries are rechargeable ones.

PREMIO MASTER

Premio (Premio Master) makes wireless link possible with other sound systems. It is equipped with an external wireless transmitter.

1. Connect the cable to the Premio Master (XLR connector) and the mini female XLR to the backpack transmitter M-1002 or SM-5016.
2. Switch on the Slave cabinet (for example Premio/S) and then the backpack.
3. Switch on the Premio Master.
4. Set the sound level on Premio Master, the backpack and of the wireless receiver on Xpresso, Premio...
5. The LED is lightning when the VHF or UHF link between transmitter and receiver is ok.



PIED-SS18

The Tripod Stand PIED-SS18 can only be used for Premio8". Aluminium tripod stand: Height min. 1.05 m (41.3") and max. 1.68 m (66.1") / max. 30 kg (66 lbs). It has a bag included.



PIED-SPS 4

The Tripod Stand PIED-SPS4 can be used for Premio12" and Premio15". 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





TECHNICAL DATA

PREMIO/8"

RMS Power	70 Watts / 4 ohms
Speaker	1 woofer 8" - 20 cm / 1 compression driver 1"
Power Requirements	Operates on AC 220v
Frequency Response	70 Hz - 20 KHz
Lead Battery	Built-in battery 2.3 Ah - 12 V
Working Time	2-3 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	Line output on XLR 3 pins Output speaker on 4 pole Speakon plug
More Information	Drop handle 35 mm (1.43") flange for floor stand Dimensions: 41 x 26,7 x 26,7 cm / 16.1 x 10.5 x 10.5" Weight: 7 kg / 15.4 lbs ABS cabinet Available in black or white

PREMIO/12" and PREMIO/15"

RMS Power	70 Watts / 4 ohms
Speaker	1 woofer 12" - 31 cm / 1 compression driver 1" or 1 woofer 15" - 38 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
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	Line output on XLR 3 pins Output speaker on 4 pole Speakon plug
More Information	Insert handle, Black ABS cabinet 35 mm (1.43") flange for floor stand Dimensions Premio/12": 62 x 43 x 35 cm (25 x 17 x 14"). Weight Premio/12": 18 kg / 40 lbs Dimensions Premio/15": 70 x 48 x 38 cm (28 x 1 x 15"). Weight Premio/15": 22 kg / 48.4 lbs