BOMBER

USER'S MANUAL

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SUMMARY

NOTES

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INTRODUCTION

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

The 200-watt PA sound system BOMBER was especially designed for any PA application where music and entertainment are critical to creating an inviting atmosphere for your clients.

ADVICE FOR A GOOD USE

✓ Do not use the sound system in a humid or dusty place, or near any heat sources such as radia-tors, 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 dange-rours voltage. To reduce the risk of electric shock, do not remove the cover. Refer servi-cing to qualified personnel.
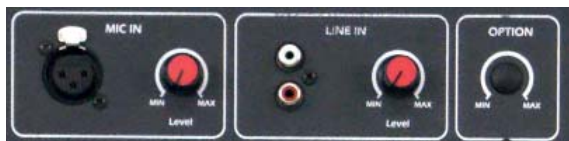
Implementing
1) Place the BOMBER on its tripod stand (Pied SPS4) at approximately 2 meters high.
   Place BOMBER on the floor, bend it on the front face to be able to slide the support stand in the rail situated at the bottom of the BOMBER. Then put it all together on the stand at the lowest position and adjust the stand at approximately 2 meters high. You should still be able to access the CD player.
2) All levels have to be at a minimum.
3) Switch off the bouton TALK OVER
4) Press the bouton (O/I) on "I"
5) Power outlet: IEC / 220 V/ 50 Hz / fuse 3.15 A - Fuse drawer

You are ready to use BOMBER.

BASIC EQUIPMENT

1 MIC INPUT and 1 LINE INPUT

1 MIC INPUT equipped with XLR(3 pins) connectors/ Can be used with electret or dynamic mics due to their phantom powers. The balanced inputs allow use of long cables. One condition: use high quality cables.

1 LINE INPUT equipped with 2 dual RCA connectors, allowing to connect auxiliary product such as tuner, CD or Tape player and a volume control. If both inputs are connected, you can use them simultaneously. The buttom "Level" allows to adjust the volume of the MIC or LINE input.

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

1 AMPLIFIER output 200 Watts RMS
1 woofer 12" - 30 cm / 1 compression driver 1"

TONE ADJUSTMENTS

The BOMBER 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 BOMBER is equipped with 1 XLR line output so as to link it to another BOMBER or to any sound system. You just have to connect the BOMBER Line out to the Line in of the other correspondent product.

TECHNICAL DATA OF BOMBER

RMS Power	200 Watts RMS
Speaker	1 woofer 12" - 30 cm / 1 compression driver 1"
Power Requirements	Operates on AC 220v
Frequency Response	50 Hz - 20 KHz
Inputs	1 RCA Line control input 1 balanced MIC control input + phantom power on XLR
Bands EQ	Bass, Mid, Treble
Outputs	Master volume control allows Bomber to work like a mixer 1 balanced XLR Line output 1 output Speaker on 2 Jack 6.35
Wireless System	1 UHF 16 frequency receiver: SDR-6216M

Player	1 player possible, choose between:
	    CD/USB player: CD-456
	    Digital player: EM010PR
	    Digital recorder: EM020R
	Talk over (voice priority) for wireless MIC

MIC	1 Mic possible, choose between:
	    SQ-5016 Handheld MIC (BOMBER-MAIN)
	    TM-635D Earhook skin colour MIC + M-1002 Belt transmitter (BOMBER-BIS)

More Information	Insert handle 35 mm (1.43") flange for floor stand Dimensions: 60 x 41 x 40,5 cm / 23.6 x 16.1 x 15.9" Weight : 24 kg / 52.8 lbs Black plywood cabinet

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

SPEAK OUT

The BOMBER is equipped with an amplified jack output (diameter: 6,35) for another speaker, ref: SP12 PASSIVE CABINET signal cable: CH15

NEVER CONNECT 4 OHMS SPEAKER: THIS COULD DAMAGE THE BOMBER'S AMPLIFIER.

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

TALK OVER

Priority of speech over music.This function allows to speak while music is playing. If this feature is activated the level of sound will decrease automatically as soon as the mic is open.

RECEIVER SDR-6216M

On/Off + Volume

Selection of the channel   LED A et B

Technical caracteristics of receiver SDR-6216M
UHF receiver, True Diversity, with Pilotone.
✓ **Switch on the receiver:**
    The switch on the right is power switch <u>and</u> volume control
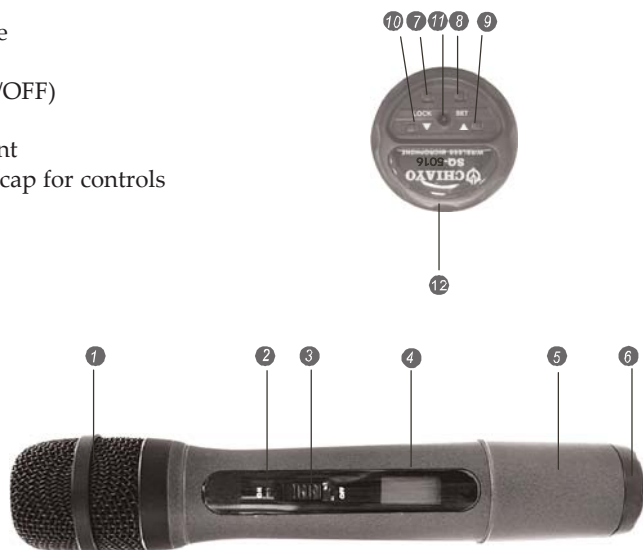✓ **Switch on the handheld microphone/beltpack transmitter:**
    The LEDS A and B are lightning when the UHF link between transmitter and receiver is ok.
    Channel can be changed with the switch on the left side.

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 of 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 SENSITIVIY
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 tripod 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

Keys	Explanations	Front panel of player	Remote control
REC	Press briefly the button FUNC to chose: MP3, SD MMC or AUX If you press a little longer you can choose the recording quality **MID➔HIGH➔LOW➔MID** **MID** (128Kbps = medium quality), **LOW** (64Kbps = lowest quality), **HIGH** (256Kbps = highest quality) Select **USB** or **CARD with** >> Next or << Back Press "REC" to start recording . The display indicates **REC WAIT**, then **REC AUX** If you want to stop recording press **STOP**. On the display: **REC OK** **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 File structure of recording USB Root — TM-AUX — AUX001.MP3 / AUX002.MP3 USB Root — TMCDDA — Track001.MP3 / Track002.MP3 USB Root — TMCDROM — Filename001.MP3 / Filename002.MP3	REC	REC
PRE-UP FOL-DER>>	Skips to next folder **Stop mode:** skips to next file **Program mode :** skips to the first file in next folder **Play mode :** skips to the first file in next folder .	◄FOLDER►	PRE-UP

Keys	Explanations	Front panel player	Remote
POWER	On/Off		
PLAY/ PAUSE	Plays music Pause		
STOP	Stops music		
FUNC	To change mode USB → CARD → AUX → (loop)		
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		

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 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.

EM020R
MP3 / USB + SD MMC digital player/recorder.

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.

OPTIONS

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

Keys	Explanations	Front Panel Player	Remote
PRE-DOWN FOLDER<<	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.		
RANDOM	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.		

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 BOMBER and other active sound systems (Nomade UHF, Premio UHF,...) or another sound system with a rackable UHF receiver (SDR 1816SC). Furthermore, BOMBER can be linked via calbe to its passive annex cabinet SP12.

UHF amplified sound system Nomade

UHF amplified sound system Premio

UHF rackable receiver SDR 1816 C

Passive annex cabinet SP12

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

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		

EM-010PR
This player is equipped with Pitch Control.

PLAYERS
The BOMBER can be equipped with 1 player. You can chosse between 3: CD/MP3/USB Player (reference CD-456), digital player (reference EM010PR) or digital player/recorder (reference EM020R)..

CD-456
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 **repeat all random** → **repeat track** → **play all** → ← **repeat all** **random repeat** ←		
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.		