

BOHEMIA

USER'S MANUAL



Example of a Bohemia 7B with a built-in VHF receiver module, CD/MP3/USB player and Microphone.

Example of a Bohemia 8.



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

Page 3

ADVICE FOR A GOOD USE

Page 3

BASIC EQUIPMENT Bohemia7B

Page 4

- ON/OFF
- Mic/Line Input
- Tone adjustment
- Line and Speaker Outputs
- Power supply output
- Battery
- Control Leds

Page 4

Page 4

Page 4

Page 4

Page 4

Page 5

Page 5

BASIC EQUIPMENT Bohemia8

Page 5

- ON/OFF
- Mic/Line Input- Wireless microphone
- Tone adjustment

Page 5

Page 5

Page 5

OPTIONS

Page 6

- Receiver R-300M and SDR-500M
- Handheld microphones + Charger
- Beltpack transmitters + Charger
- PIED-25 + Trolley Bag
- Players

Page 6

Pages 6-8

Pages 9-11

Page 11

Pages 12 -20

TECHNICAL DATA BOHEMIA

Pages 21-22

INTRODUCTION

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

Bohemia 7B and Bohemia 8 are small 70-watt (RMS) sound systems which offer optional VHF or UHF systems, CD player, digital player or recorder.

ADVICE FOR A GOOD USE

- ✓ If the system is equipped with a battery please 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 Bohemia7S and Bohemia7B



ON/OFF BUTTON

Use this button to switch on/off the device.



1 MIC INPUT and 1 LINE INPUT

BOHEMIA7B 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 BOHEMIA. ADVICE : We strongly recommend that you switch off the mic, adjust the volume of the BOHEMIA to the desired volume, then be a few meters away before switching on the mic again.



ⓘ TONE ADJUSTMENTS

BOHEMIA7B 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



BOHEMIA7B is equipped with 1 RCA line output enabling connection to another BOHEMIA or to any other sound system. You just have to connect the Line out to the Line In of the selected equipment.

SPEAK OUTPUT



BOHEMIA7B is equipped with a jack output (diameter: 6,35) for potential use with another speaker, ref: Bohemia7, signal cable: CH15. NEVER CONNECT a 4 OHMS SPEAKER: THIS COULD DAMAGE THE BOHEMIA'S AMPLIFIER. Jack cabling: you MUST use mono jack, + on the TIP, - on the RING.



POWER SUPPLY INPUT

12 Volts power supply input. Allows working on AC main and battery loading of the BOHEMIA7B. It is recommended to use the provided cable for recharge.

BATTERY

BOHEMIA7B is equipped with a lead 2.3 Ah / 12V lead battery making lots of loadings and unloading possible. When connected on AC main the sound system can work without time limit, while charging. Minimum autonomy: 2 hours, maximum: 3 hours.

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 BOHEMIA7B on AC main. No working time limit, the battery is loading simultaneously.
- If you do not have the possibility to connect the BOHEMIA 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":

- BOHEMIA under power, switch " ON "
- The internal automatic charger will increase battery tension up to its highest level +/- 13 V.

BASIC EQUIPMENT Bohemia8



ON/OFF BUTTON(M/A)

Use this button to switch on/off the device.

1 MIC INPUT/WIRELESS MIC and 1 LINE INPUT



BOHEMIA8 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. When Bohemia is equipped with 1 wireless system the MIC input will be replaced by the wireless MIC.



ⓘ TONE ADJUSTMENTS

- The BOHEMIA8 is equipped with 2 very good tune 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



OPTIONS Bohemia7B and Bohemia8

WIRELESS SYSTEM VHF OR UHF

The cabinet can be equipped with one wireless system. It can be chosen between a VHF single frequency receiver and 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, 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.

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.



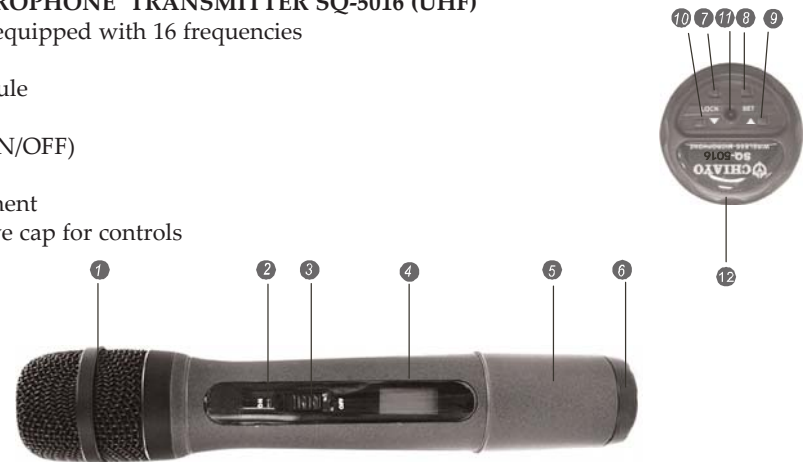
ⓘ CAUTION: BATTERY

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 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 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 batteries 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



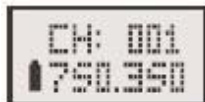
12. SET
13. UP
14. DOWN
15. GT
16. MT

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 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-37 Charger

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



PIED-25

Aluminium tripod stand: Hight 1,10-1,85 m / 43.3-72.8"; Max load 25 kg / 55 lbs. It has a bag included.





PLAYERS

The BOHEMIA can be equipped with 1 player. You can choose 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 anti-choc 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 | | |



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 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. | | |

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 | 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 | | |
| PRE-UP FOLDER>> | 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 | | |



| Key | Explanations | Front panel Player | Remote control |
|-----------------------------|---|--------------------|----------------|
| PRE-DOWN FOLDER 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 | | |
| REPEAT | "REPEAT" Repeat all Repeat album Repeat off → repeat all → repeat album | | |
| PROG | PROG : to make a selection of titles To delete this selection, press STOP | | |
| MUTE | Fonction Mute: music stops To get back to music, press again | | |
| 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 | | |

TECHNICAL DATA

| Basic Equipment | Bohemia 7B | Bohemia 7S |
|--------------------|--|--|
| RMS Power | 70 Watts / 4 ohms | 70 Watts / 4 ohms |
| Speaker | 1 woofer 6,5" - 16 cm / 1 dome tweeter | 1 woofer 6,5" - 16 cm / 1 dome tweeter |
| Power Requirements | Operates on AC 220v | Operates on AC 220v |
| Lead Battery | Built-in battery 2.3 Ah - 12 V Fast automatic battery charger integrated | - |
| 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 Switch ON/OFF | |
| Bands EQ | Bass, Mid, Treble | - |
| Outputs | 1 unbalanced RCA Line output 1 output Speaker on Jack 6.35 | - |
| More Information | Drop handle Dimensions: 36 x 25,5 x 22,5 cm / 14.2 x 10 x 8.9" Weight: 9 kg / 19.8 lbs Black ABS cabinet | Clamp-type connection Drop handle Dim.: 36 x 25,5 x 22,5 cm / 14.2 x10 x8.9" Weight : 4,5 kg / 9.9 lbs Black ABS cabinet Slave cabinet: Use recommended for Bohemia7B |
| Options | | |
| Wireless System: | 1 VHF Single Frequency Receiver R-300M or 1 UHF 16 Frequency Receiver SDR-500M | |
| Players | 1 Player possible: CD/USB Player: CD-456 Digital Player: T-EM010PR Digital Recorder: T-EM020R | |



TECHNICAL DATA

| Basic Equipment | Bohemia 8 |
|------------------------|---|
| RMS Power | 70 W RMS / 4 ohms |
| Speaker | 1 woofer 6,5" - 16 cm / 1 dome tweeter |
| Power Requirements | Operates on AC 220v |
| Lead Battery | - |
| Working Time | - |
| Inputs | Mixable inputs: 1 unbalanced RCA Line control input 1 balanced MIC control input on Jack 6.35 Switch ON/OFF When Bohemia is equipped with 1 wireless system the MIC input will be replaced by the wireless MIC. |
| Bands EQ | Bass, Treble |
| Outputs | - |
| More Information | Dim.: 36 x 25,5 x 22,5 cm / 14.2 x 10 x 8.9" Weight: 6 kg / 13.2 lbs Black ABS cabinet |
| Options | |
| Wireless System: | 1 VHF Single Frequency Receiver R-300M or 1 UHF 16 Frequency Receiver SDR-500M |
| Players | 1 Player possible: CD/USB Player: CD-456 Digital Player: T-EM010PR Digital Recorder: T-EM020R |