

# Free your head !



# TECHNICAL SPECIFICATIONS

www.vocal-vest.com

VOCAL VEST®

## Main characteristics

| Amplibox® specifications  |  | Vocal Vest® specifications                      |  |
|---|--|---|--|
| Weight  | 180 g / 115 oz (with battery)  | Weight  | 550 g / 1.3 oz.  |
| Dimensions  | 12.5 x 5.4 x 3.7 cm / 4.9 x 2.1 x 1.5 in.  | Dimensions (flat)                               | Length: 60 cm / 23.2 in.<br>Width: 35 cm / 13.8 in.<br>Thickness: 0.8 to 4.5 cm / 0.3 to 1.7 in.     |
| Operating temperature   | -30°C to + 50°C / -22°F to 122°F   | Operating temperature                           | -30°C to + 50°C / -22°F to 122°F   |
| Storage temperature   | -40°C to + 60°C / -40°F to 140°F   | Storage temperature                             | -40°C to + 60°C / -40°F to 140°F   |
| Working hours with max amplification & volume (approx. charge time: 3h @ 21°C / 70°F) | approx. 8h @ 20°C / 70°F<br>approx. 7h20 @ 4°C / 39°F<br>approx. 6h @ -30°C / -22°F    | Sealing   | IP65   |
| Observed working hours in general use (approx. charge time: 3h @ 21°C / 70°F)         | approx. 10h @ 20°C / 70°F<br>approx. 8h10 @ 4°C / 39°F<br>approx. 6h50 @ -30°C / -22°F | Drop and trumble specifications                 | 20 x 5 m (15 ft.)  |
| Sealing   | IP68 - Total sealing to dust and water   | Sizes   | Universal model (XS to 3XL)  |
| Impact resistance   | IK8  | Regulation / Applied standards                  | L.5232-1 of the french public health code<br>Sound level >85 dB<br>R4431-2 of the french labour code |
| Drop resistance (-30°C to + 50°C / -22°F to 122°F)                                    | 20 x 2 m (6 ft.)   | Certifications - Conformity with standard tests | CE Standard<br>M°EBO1408055-V116<br>EN 55022:2010+AC:2011 / EN55024:2010                             |
| Drop resistance (21°C / 70°F)   | Multiple drops up to 10 m (33 ft.)   |   |  |
| Certifications  | CE - FCC (pending certification)   |   |  |

Press the 3 bottom keys (".", "+", & "OK") simultaneously for a few seconds to enter Menu A ("Amplibox off" message) or Menu B ("Amplibox on" message)

| ACTIONS                              |   | MENU A: SIMPLIFIED MENU FOR END USERS  | MENU B: GLOBAL MENU FOR MANAGERS   |
|--------------------------------------|---|--|--|
| MAIN MENU                            | "M" (short push / long push) >> Power           | Turns the Amplibox on (default menu is A) or off   | Turns the Amplibox on (default menu is A) or off   |
|                                      | "+" or "-" (short push) >> Volume               | Turns the volume up or down (1 gradient per push)  | Turns the volume up or down (1 gradient per push)  |
|                                      | "+" or "-" (long push) >> Volume                | Turns the volume up or down (5 gradients per push)   | Turns the volume up or down (5 gradients per push)   |
| SUBMENUS                             | "OK" (short push) >> Mute (if option activated) | Turns the microphone on or off (if mute option is activated)   | Turns the microphone on or off (if mute option is activated)   |
|                                      | "OK" (long push) >> Back to main menu           | Returns to the main menu at any time in submenus   | Returns to the main menu at any time in submenus   |
|                                      | "M" (1 push) >> Amplibox status                 | Press "OK" to hear all Amplibox statements<br>Returns automatically to main menu after confirmation  | Press "OK" to hear all Amplibox statements<br>Returns automatically to main menu after validation  |
|                                      | "M" (2 pushes) >> Preset                        |  | Press "OK" to enter the preset menu<br>Use "." and "+" to select the preset, then "OK" to confirm<br>Returns automatically to main menu after confirmation |
|                                      | "M" (3 pushes) >> Test Microphone               |  | Press directly "+" to enable the test and "-" to disable when finished<br>Press "M" for next menu, or long push on "OK" to the main menu                   |
|                                      | "M" (4 pushes) >> Languages                     |  | Press "OK" to enter the language menu<br>Use "." and "+" to select, "OK" to confirm<br>Returns automatically to main menu after confirmation               |
|                                      | "M" (5 pushes) >> Software reset                |  | Press "OK" to reset (manufacturer settings, English by default)<br>Back to the main menu automatically after a couple of seconds                           |
|                                      | "M" (6 pushes) >> Mute option activation        |  | Press directly "+" or "-" to enable / disable the option, then "OK" to confirm<br>Returns automatically to main menu after confirmation                    |
|                                      | "M" (7 pushes)* >> Amplibox input volume        |  | Press directly "+" and "-" to select level, then "OK" to confirm<br>Long push on "OK" to go back to main menu or "M" for next submenu                      |
|                                      | "M" (8 pushes)* >> Amplibox input microphone    |  | Press directly "+" and "-" to select level, then "OK" to confirm<br>Long push on "OK" to go back to main menu or "M" for next submenu                      |
|                                      | "M" (9 pushes)* >> Amplibox output microphone   |  | Press directly "+" and "-" to select level, then "OK" to confirm<br>Long push on "OK" to go back to main menu or "M" for next submenu                      |
| "M" (10 pushes)* >> Equalizer        |   | Press "OK" to enter the Equalizer menu starting at Equalizer 1 (press "M" to jump to the next Equalizer from 1 to 13)<br>Then use "+" and "-" to modify the level (-10dB to +10dB) in each equalizer<br>Long push on "OK" to go back to main menu<br>Or press "M" after Equalizer 13 to go back to main menu |  |
| "M" (11 pushes) >> Back to main menu |   | Back to the main menu (long beep)  |  |

\*Manually modifying each setting individually will change the current preset. Go back to the preset menu if you want to reinitialize it and erase the manual settings.

## PRESETS

|          |   |
|----------|---|
| Preset 1 | Vocollect T2, T2X, T5 & A500 (Standard noise environment) |
| Preset 2 | Vocollect T2, T2X, T5 & A500 (Loud noise environment)     |
| Preset 3 | Motorola MC3090/3190                                      |
| Preset 4 | Motorola WT4090/VOW/41N0                                  |
| Preset 5 | Cipherlab TAURUS 9700                                     |
| Preset 6 | Motorola WT4090/VOW/41N0 (SP1)                            |

## LED INDICATORS

|                       |  |
|-----------------------|--|
| GREEN blinking        | The Amplibox is operational  |
| RED blinking          | Low battery - Message in the speakers every 3 min to remind the user to charge the Amplibox (Battery life > 10h at 21°C) |
| BLUE & GREEN blinking | Microphone temporarily off using the OK key (only if Menu 6 ** is activated in the Manager menu)                         |
| WHITE                 | Settings undergoing changes - Wait for green before pressing another key   |

## BIG TROUBLES ?

|                       |  |
|-----------------------|--|
| Full electronic reset | Press all 4 keys simultaneously for 11 seconds and release. The LED will blink different colors before restarting (language & settings are kept) |
|-----------------------|--|





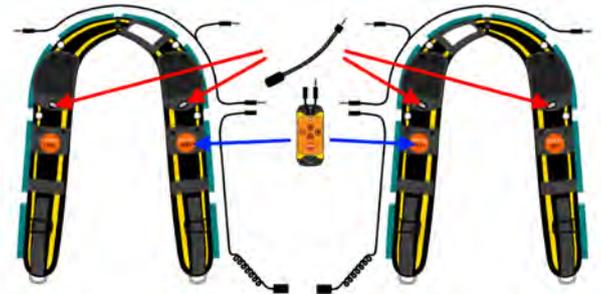
## Adjust your Vocal Vest®

Unlimited adjustment options are possible to maximize wearer comfort. The back strap is recommended when a T-shirt is worn. Concealed soft wire edges mold to and “remember” the wearer’s shoulder shape. Front belt extensions can be added as needed.



## Adjust cables and attach the Ampli Box®

The Vocal Vest® is completely symmetrical, thus cabling can be easily adapted for left- or right-handed users by reversing the direction of the cables and position of the Ampli Box®. The microphone can also be positioned on either side, independently of the positioning of the Ampli Box® - however, it is recommended to install the microphone and Ampli Box® on opposite sides.



## Quick Start

The Ampli Box® can be quickly fixed to the vest with the hook. **When switching it on, it is important that the volume setting of the vocal terminal is set low to protect the speakers and hearer from extreme volumes. Please set your vocal device on medium volume (50%).** The volume can then be adjusted with both available volume controls, on the terminal and the Ampli Box®. The Ampli Box® is turned on by pressing on the red “M” button. The indicator light becomes steady green during initialization, then flashing green during normal operation. When battery power is low, the indicator LED flashes red, and a warning message is heard through the speakers every 3 minutes. When power falls too low the Ampli Box® switches off, preserving the current settings. Pressing the “M” button for 5 seconds switches off the Ampli Box® during use

## First settings of the Ampli Box® for quick startup

|                             |  |
|-----------------------------|--|
| <b><u>Enter Menu B</u></b>  | Use the key combination to enter the manager menu  |
| M (Mode) Button             | On (short push), off (long push), menu entry and navigation  |
| 2 Pushes on M Button        | <b>Choice of preset:</b> Choose the retailer recommended configuration corresponding to the mobile terminal and the vocal solution used. Push «M», confirm «OK», choose the number of the configuration with «+» and «-», then confirm «OK». |
| 4 Pushes                    | <b>Language:</b> If necessary, select the language by pushing «M» 4 times, then confirm «OK». Select the language with «+» and «-», then confirm «OK».   |
| + & - Buttons               | Ampli Box® volume control in main mode / Navigation when in menu mode  |
| Green OK Button             | Microphone «Pause» (flashing blue will display), «ENTER» when in menu.   |
| <b><u>Set to Menu A</u></b> | Use the key combination to enter the simplified Menu A for end users before use  |

# VOCAL VEST MAINTENANCE

VOCAL  
VEST®

## In case of trouble ...

### No sound ?

> Ensure that the cable is firmly connected to the Ampli Box® and that the light is flashing green

### No sound in one of the earphones ?

> Check that both cables are well connected at both ends

### Saturated sound?

> Turn down the volume on both the Vocal terminal and the Ampli Box®, then increase them gradually

### System has trouble recognising voice commands ?

> Adjust the microphone level from the Ampli Box® menu

> Use the «Microphone test» menu to check that the microphone is functioning correctly

### Microphone is not working ?

> Ensure that the microphone isn't on pause (alternate flashing blue/green LED when paused)



## No solution ?

If the problem can not be solved by checking and changing settings or connections on the Vocal Vest® and/or Ampli Box, on-site maintenance kits allow replacement of defective parts within minutes:



## Maintenance kits

- 5 x L **SX-VEST1&PDA1-5**  
Kit of 5 PDA / Smartphone cables
- 5 x M **SX-VEST1&QDIS-5**  
Kit of 5 Quick Disconnect cables
- 5 x J **SX-VEST1&AUDIO-5**  
Kit of 5 audio cable for Vocal Vest
- 5 x G **SX-SPEAKER1-5**  
Kit of 5 speakers (for right and left use)
- 5 x E **SX-VEST1RMOUNT-5**  
Kit of 5 right speaker mounts
- 5 x F **SX-VEST1LMOUNT-5**  
Kit of 5 left speaker mounts
- 5 x H **SX-FLEXMICRO-5**  
Kit of 5 microphones (for use over 0+°C)
- 5 x I **SX-FLEXMICRO1F-5**  
Kit of 5 microphones (-30°C to +50°C)
- 5 x Q **SX-IDSBOXCUP1-3**  
Kit of 3 replacement cups for charger

## Need more information?

Manual, advantages of the Vocal Vest, pictures, videos, list of accessories and spare parts on our dedicated website: [www.vocal-vest.com](http://www.vocal-vest.com)

