



TECHNICAL SPECIFICATIONS

www.vocal-vest.com

VOCAL
VEST®

Main characteristics

Ampli Box® specifications		Vocal Vest® specifications	
Dimensions	4,9 x 2,1 x 1,5 in. / 12,5 x 5,4 x 3,7 cm	Dimensions (flat)	Length : 23.2 in. / 60cm Width: 13.8 in. / 35 cm Thickness : 0,3 to 1.7 in. / 0.8 to 4,5 cm
Weight	115 oz (battery incl.) / 180 g	Weight	1,3 oz. / 550 g
Operating temperature	-22°F to 122°F / -30°C to 50°C	Operating temperature	-22°F to 122°F / -30°C to 50°C
Storage temperature	-40°F to 140°F / -40°C to 60°C	Storage temperature	-40°F to 140°F / -40°C to 60°C
Working hours with max amplification & volume (approx. charge time: 3h to 69,8°F / 21°C)	approx. 8h at 68°F / 20°C approx. 7h20 at 39,2°F / 4°C approx. 6h at -22°F / -30°C	Sealing	IP65
Working hours noticed by the customers (approx. charge time: 3h to 69,8°F / 21°C)	approx. 8h at 68°F / 20°C approx. X h at 39,2°F / 4°C approx. X h at -22°F / -30°C	Drop and tumble specification	Under evaluation
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 Sound level <85dB R4431-2 of the French labour code Sound level <87dB
Drop resistance (-22°F/-30°C to 122°F/+50°C)	20 x 6ft. (2m) drops on the concrete	Certifications	CE Standard - N°EBO1408055-V116
Certifications	CE standard - Pending certification	Conformity with the standard tests	EN 55022:2010+AC:2011 EN55024:2010
Conformity with the standard tests			

Ampli Box® menu navigation

Buttons	Main selections	Description	Additional selections
M	first short hold on M button	Ampli Box start up	
	long push	Standby	
	1st push	Presets menu	OK: preset menu - & + : preset selection OK: validation and back to main menu
	2nd push	Languages	OK: language menu - & + : language selection OK: validation and back to main menu
	3rd push	Reboot	OK: validation and back to main menu
	4th push	Microphone test menu	OK: Microphone test menu + : Enable the microphone with sound return in the speakers - : Disable the microphone OK (long push) to go back to the main menu M: to next menu
	5th push	Ampli Box statement	OK: Announcement of the following details: > software version > current preset > main parameters Then back to main menu
	6th push	Ampli Box volume input (amplification level)	- & + : Amplification selection M: to next menu
	7th push	Ampli Box volume output	- & + : Level selection M: to next menu
	8th push	Ampli Box microphone output	- & + : Level selection M: to next menu
9th push	Equalizer	OK: Equalizer menu - & + : Level selection M: to next equalizer (until the 13th) Then back to main menu	
10th push (double beep)	Back to main menu		
OK	Short push in the main menu	Enable / Disable microphone (mute)	
	Long push in any of the menu selections	Back to main menu	
"-" or "+"	Short push in the main menu	Volume setting (in addition of the terminal volume)	
"-" and "+"	Long push of both buttons in main menu	Enable / Disable all keys	

IMPORTANT: wait for LED's extinction when a function is confirmed and still in progress before pressing another key

LED	Colors	Description	Actions
	Continuous green LED	Ampli Box start up - Initialization of parameters	
	Green flashing LED	Operational	
	Dark blue and green flashing LED	Microphone disabled (mute)	
	Red LED	Back to main menu indicator Ampli Box extinction During reset	
	Red flashing LED	Low battery with vocal announcement every 3 minutes Then extinction of the Ampli Box	Place the Ampli Box in its charger
	Yellow flashing LED	Error DSP (audio chip)	Can happen when battery is low Place the Ampli Box in its charger / reset if necessary Contact reseller if not back to operational mode
	Light blue flashing LED	Error battery / Other errors	Place the Ampli Box in its charger Contact reseller if not back to operational mode



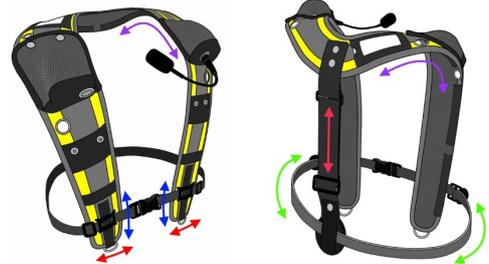


QUICK START



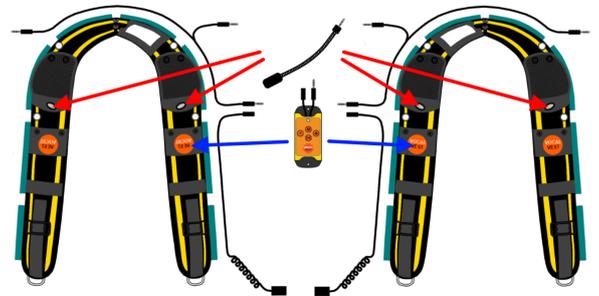
Adjust your Vocal Vest®

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® is quickly fixed to the vest by means of snap buttons and 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. 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®.

First settings of the Ampli Box® for quick startup

M (Mode) Button	On (short push), off (long push), menu entry and navigation
1 Push on M Button	Choice of preset: 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 «+»
2 Pushes	Language: If necessary, select the language by double pushing «M», then confirm «OK». Select the language
+ & - 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.

Details and navigation of the menus in the datasheet

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

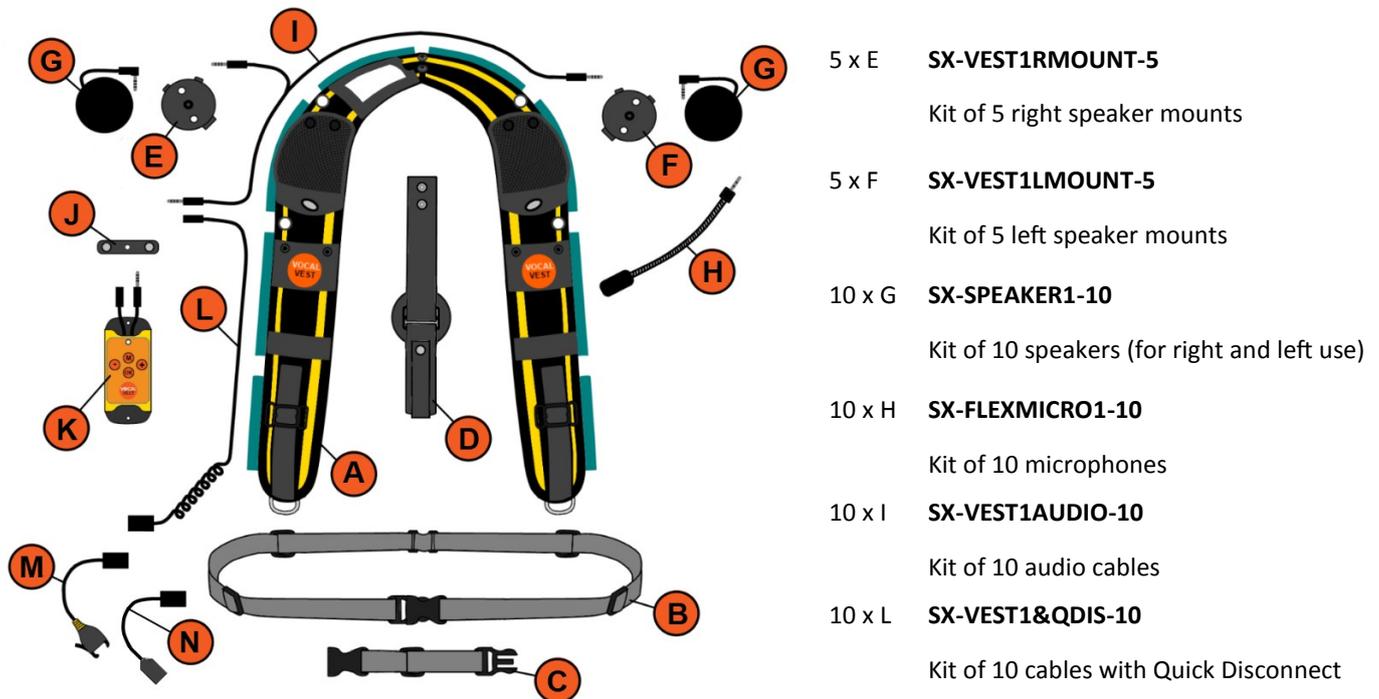
Microphone is not working ?

> Check if 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:



Need more informations?

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

