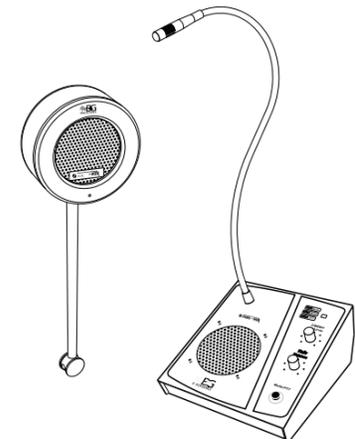


DUAL-VOX Model LTC-05

INSTALLATION AND OPERATION MANUAL



Congratulations!, you have acquired professional intercom system for public attendance at windows, DUAL VOX LTC-05.

By using this device you will achieve clear communication with your customers, through its technologies "Noise Reduction" and "Power Enhance", even in noisy environments.

In addition you will gain other benefits like elegance, comfort and security for your personal and your business.

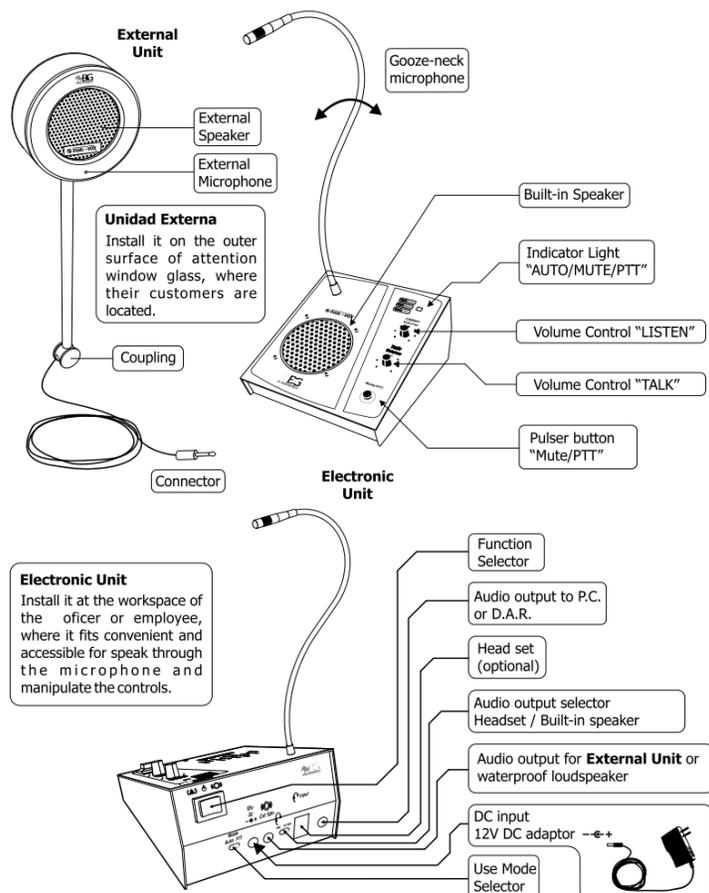
It has two modes of communication and emergency siren function, for versatility and response to risk.

Allows use with headset and wireless speaker system (optional).

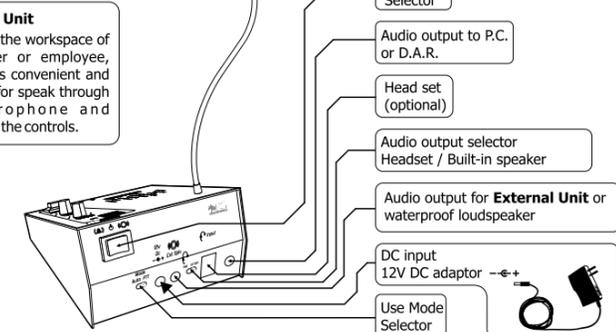


TECHNICAL FEATURES			
INPUT POWER	110V AC @60Hz		
CONSUMPTION	Internal sound	Minimum	100 mA
		Maximum	300 mA
	External sound	Minimum	200 mA
		Maximum	500 mA
POWER	Siren	5 W	
DIMENSIONS	Electronic Unit	Long	5 1/8"
		Wide	4 1/2"
	Goose-neck microphone	Height	2 3/8"
		Diameter	2 3/4"
	External Speaker	Long	1 1/4"
		Wide	3"
	Height	2 3/8"	

COMPONENTS AND CONNECTION

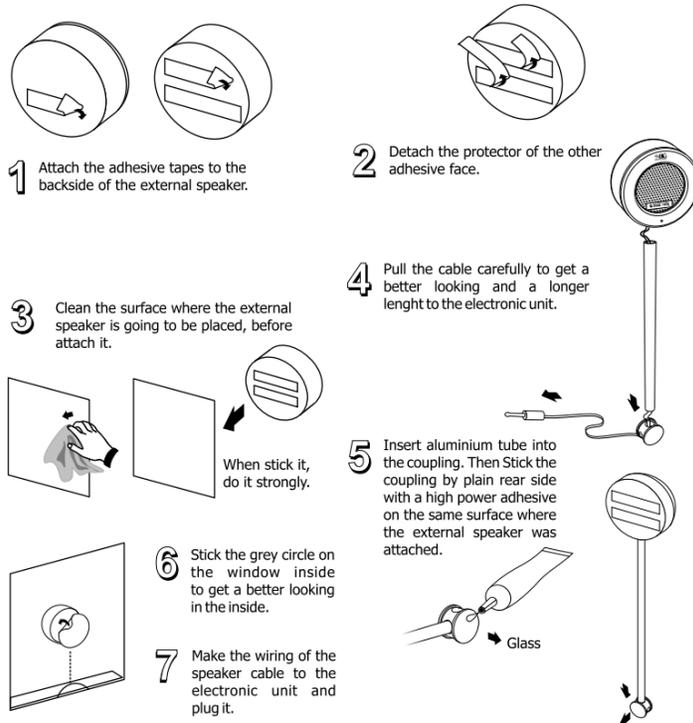


Electronic Unit
Install it at the workspace of the officer or employee, where it fits convenient and accessible for speak through the microphone and manipulate the controls.



EXTERNAL UNIT INSTALLATION

The adhesive tapes included in this product are used to attach the external speaker to glasses and smooth surfaces where these has a strong adherence.



OPERING THE EQUIPMENT

The intercom is equipped with two microphones that are located one on the side of the electronic unit and the other is incorporated into the external speaker. It also has two speakers, a built-in electronic unit and a built-in speaker for outdoor use. Through these elements you can communicate.

Intercom function - Automatic Mode

In this mode the DUAL-VOX LTC works automatically, it means that the microphones are opened and there is no need to manipulate any control for communicating with the outside person. In this mode the Push button works as "MUTE" function.

1- Pass the Function Selector to "INTER" position (speaker icon); the Intercom turns on.

2- Set the Use Mode Selector to "AUTO" position. The light indicator remains on permanently, indicating that the DUAL-VOX is working in Automatic Mode; both microphones remain active, allowing a two ways communication.

3- Talk in a normal level near to the goose-neck microphone (approximately 2 or 3 inches); the voice is amplified through the external speaker.

4- In case that user wants to deactivate the internal microphone, in order to get privacy in conversations, so the user can not be heard in the outside, push the button labeled as "PTT/Mute", the light indicator starts blinking quickly indicating this condition ("Mute" function).

5- To return to automatic intercom function press again the "PTT/Mute" button.

Auto silence (automatic mode only).

When DUAL-VOX LTC-05 is in automatic mode and the internal user stops speaking for more than 30 seconds the Dual-Vox LTC-05 enters auto silence and internal unit is muted.

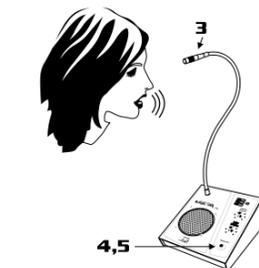
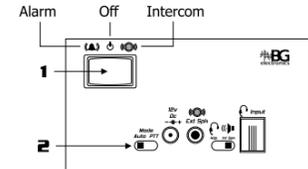
1- To reactivate intercom function, the internal user must speak or press the "PTT / Mute" button.

2- If you want to disable this feature press and hold the "PTT / Mute" button until the indicator lighting is turned off by releasing the button beep sounds confirming that the function is disabled.

3-Repeat the procedure to re-enable the auto-silence.

Intercom function - Manual Mode/ PTT

In this mode the DUAL-VOX allows to heard what is happening in the outside permanently, for amplifying the voice in the outside pushing the "PTT/MUTE" button is necessary.



1- Pass the Function Selector to INTER position (speaker icon); DUAL-VOX LTC Intercom turns on.

2- Set the Use Mode Selector to "PTT" position. The light indicator lights during 2 seconds and then turn off a short time, indicating that the DUAL-VOX is working in PTT Mode; the external microphone remains active, allowing to hear the outside sound.

3- Talk in a normal level near to the goose-neck microphone (approximately 2 or 3 inches) while pressing the "PTT/MUTE" button; the voice is amplified through the external speaker while the button is pressed.

Emergency siren tone function

The DUAL-VOX LTC can emits a siren tone, useful in danger or emergency situation.

1-To activate the siren tone pass de Function Selector to the "SIREN" position (bell icon), the tone is played and the light indicator remains on.

2- To deactivate the Siren Tone Function pass the Function Selector to central position ("OFF").

Turning Off the DUAL-VOX

When the function selector is set in the central position the equipment is OFF and the light indicator remains off.

Adjusting the volume levels

1- To increase the external speaker volume level turn clockwise the "TALK" control knob. To decrease the outside volume level turn counter clockwise.

2- In the same way, to increase the inside volume level, heard in built-in speaker of the electronic unit, turn clockwise the "LISTEN" control knob. To decrease turn counter clockwise.

Using a headset (Optional)

If the user wants to use a headset, follow the next steps:

1- Plug the headset in the port labeled as input and it has a headset icon.

2- Pass the Audio output selector to the "HDP" position. The DUAL-VOX is ready to be used with the headset.

3- Talk in a normal level near to the goose-neck microphone (approximately 2 or 3 inches) while pressing the "PTT/MUTE" button; the voice is amplified through the external speaker while the button is pressed.

Using a Loudspeaker (Optional)

1-Unplug the External Speaker from "SPK" port.

2- Plug the loudspeaker in the terminal labeled as "SPK" port.

3- Install the loudspeaker in a close place to the attention zone.

CALIBRATION PROCEDURE

On the interface of the electronic unit, the user can find the external level control "TALK" and the internal level control "LISTEN". With these controls the user can finally adjust the best sound after completing the installation and taking caution of isolate acoustically the external speaker from the electronic unit.

WARNING: remember, for calibration procedure is necessary to make an acoustic isolation of the external speaker from the electronic unit.



External sound

1- Turn On the DUAL-VOX LTC in Intercom Function, Automatic Mode.

2- To set the external sound ("TALK") begin to talk in a normal volume, turn totally counter clockwise the volume level and then turn clockwise slowly until the external sound is loud and clear.

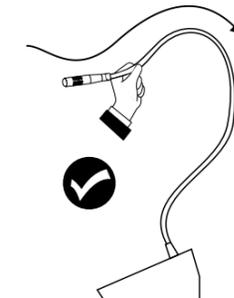
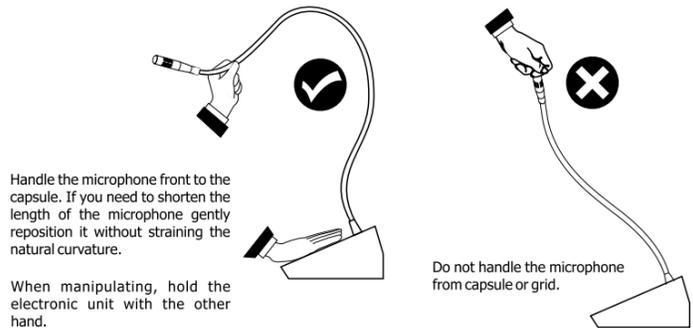
Internal sound

1- After completing the external sound steps, turn counter clockwise completely the internal volume control "LISTEN".

2- With help of other person, ask him that talk in a normal level while turn clockwise the internal control "LISTEN" until built-in speaker of the electronic unit sounds loud and clear. Stop and turn back a little bit if feedback occurs.

HANDLING RECOMMENDATIONS

Properly use of the product can expand its durability, follow the next recommendations for handling your DUALVOX LTC-05



CLEANING UP YOUR DEVICE

Take a soft cloth slightly moistened with soapy water or alcohol. Then gently rub over all surfaces of LTC - 05 DUAL VOX. Be cautious when cleaning the controls to not change the volume levels of the team.



Be sure to squeeze well the cloth before applying to equipment that no drops of water inside.

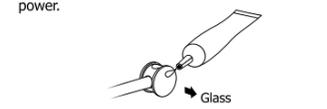
At the end, clean with alcohol or soapy water, wipe with a dry cloth to remove moisture and restore the original shine of the device.

MAINTENANCE

Verify that the mounting accessories are well bonded to glass or wall where they were installed. If they are loose, attach them with some type of glue as cool silicone or double sided adhesive tape high power.

Do not use strong solvents or abrasive materials on the product.

Use personal protection for maintenance.



BYG ELECTRONICA S.A.S. 1 YEAR LIMITED WARRANTY

BYG Electronica S.A.S. warrants that this product is free from defects in materials and workmanship for a period of one year from the date of purchase. During the limited warranty period, and upon proof of purchase (in the form of product registration or packing slip / invoice) this product will be repaired or replaced at our option, without charge.

This warranty shall be voided if the product is modified, tampered with, misused, or subjected to abnormal working conditions. This warranty does not cover physical damage to the surface of this product. This warranty does not apply when the malfunction results from the use of this product in conjunction with accessories, other products, or peripheral equipment not designed by BYG Electronica S.A.S.