

one PTT

User Manual

Push To Talk Microphone ONE-PTT for ONE systems.



SAFETY INSTRUCTIONS

Please, read carefully these safety instructions.

1. Save this User Manual for future reference..

2. The equipment should not be exposed to water or splashing and objects filled with liquids should not be placed on the equipment. Do not use liquid or spray detergent for cleaning. Do not expose this equipment to wet areas.

3. No flame sources, such as lighted candles, should be placed on the equipment.

4. Install this equipment following this user manual. If you do not place the equipment correctly, it may fall and be damaged.

5. Before beginning the microphone installation put an ESD bracelet on your wrist and stick the other end to any non painted metallic part inside of the equipment.

6. The equipment must be installed by qualified or trained personnel.

7. The wiring must be carried out only by trained personnel. Disconnect the audio outputs while making connections and disconnect the equipment from the power supply. Be sure to use the proper cables to make the connections.

CONTENTS

1. LDA Dynamic microphone with push to talk button.

2. Circuit board with preamp and connectors.

3. Cable patch to fix in ONE cabinet. Includes a 36mm tap and microphone connector.

4. Cable patch for audio input connection. Includes audio and TTL.

5. ESD bracelet to avoid any damage in internal circuits.

INTRODUCTION

The ONE-PTT dynamic microphone adds more versatility to your ONE unit. This new device allows you to have within your reach a public announcement input.

This Push To Talk microphone can be directly connected to the priority audio input to bypass the back ground music. As it is directly powered from the USB port inside the unit, you do not need to add an external power supply.

With the included microphone stand, you can hang this microphone to the ONE 500 side for a fast and easy call. You can also fix it to any other surface following your preferences.



Figure 1: Examples of PTT placement in a system.

DESCRIPTION

This accessory is designed to use in ONE systems, it includes an audio preamp board and all the accessories needed to install it.

The preamp board takes power from the ONE USB port. It includes a quality preamplifier with a gain of 40dB to convert the microphone level to an output line level compatible with 1Vrms inputs. The included circuit also converts the push to talk signal to a contact output, that is already prepared to be connected in the PRIO audio inputs 1 or 2.

CONFIGURATION

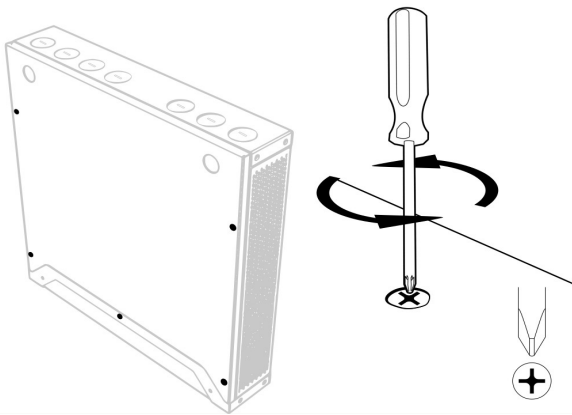
Connections should be made according to the quick guide located in the last page of this manual, no further configuration is needed. With the ONE default configuration, if you press the PTT microphone, the audio will be routed to all zones. You can change the corresponding input settings in the PA Matrix screen menu.

Additional advanced configuration could be applied to adapt the PTT to your needs. For example:

Enable the use of the PTT when the system is in emergency (VA) state: Enter In advance settings by pressing ACK+OK for 3 seconds. Modify the variable called "DAM_PA_SRC_IN_VA_CUT_THRESHOLD" by selecting ID:2299 (FW v2.0.0.2). Change the value to 3 and input1 will be available to be used in VA state according to the system inputs priorities.

A similar process must be done to allow the PTT if the AC power is not active (battery mode): Enter In advance settings by pressing ACK+OK for 3 seconds. Modify the variable called "DAM_PA_SRC_IN_BATT_CUT_THRESHOLD" by selecting ID:229A (FW v2.0.0.2). Change the value to 3 and input1 will be available to be used in battery mode according to the system inputs priorities.

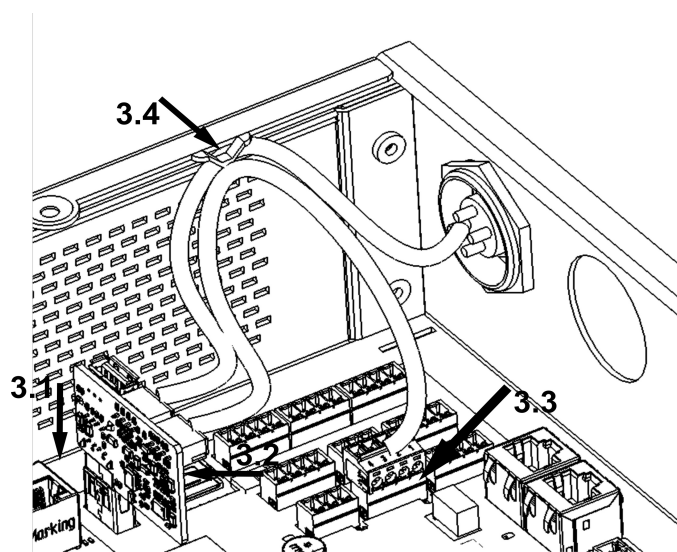
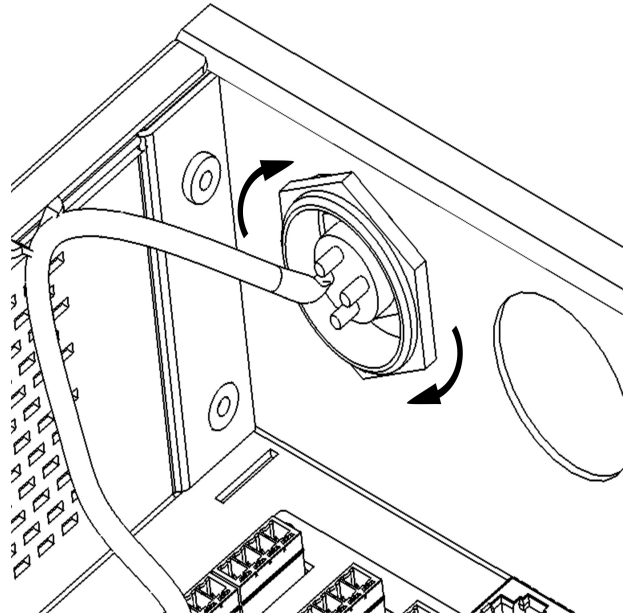
QUICK INSTALLATION GUIDE



1.- With the equipment turned off. Open the cover by removing the 5 screws shown in the image on the left.

2.- Before beginning the module installation put the supplied ESD bracelet on your wrist and stick the other end to any unpainted metallic part of the device.

Put the tap in the first or second position (beginning from the upper left corner) and tighten the nut.



3.1- Insert the ONEPTT Module in the USB port.

3.2.- Plug the wire of the PTT connector tap in the indicated socket.

3.3.- Plug the green connector to the control board in the input 1 or input 2.

3.4.- Finally fix the wires to the case with the nylon tie.

4.- Fix the microphone stand using any cabinet screw with the hang. Only one screw is needed.

Close the device and configure routing and volume according to your preferences using screen menu.

