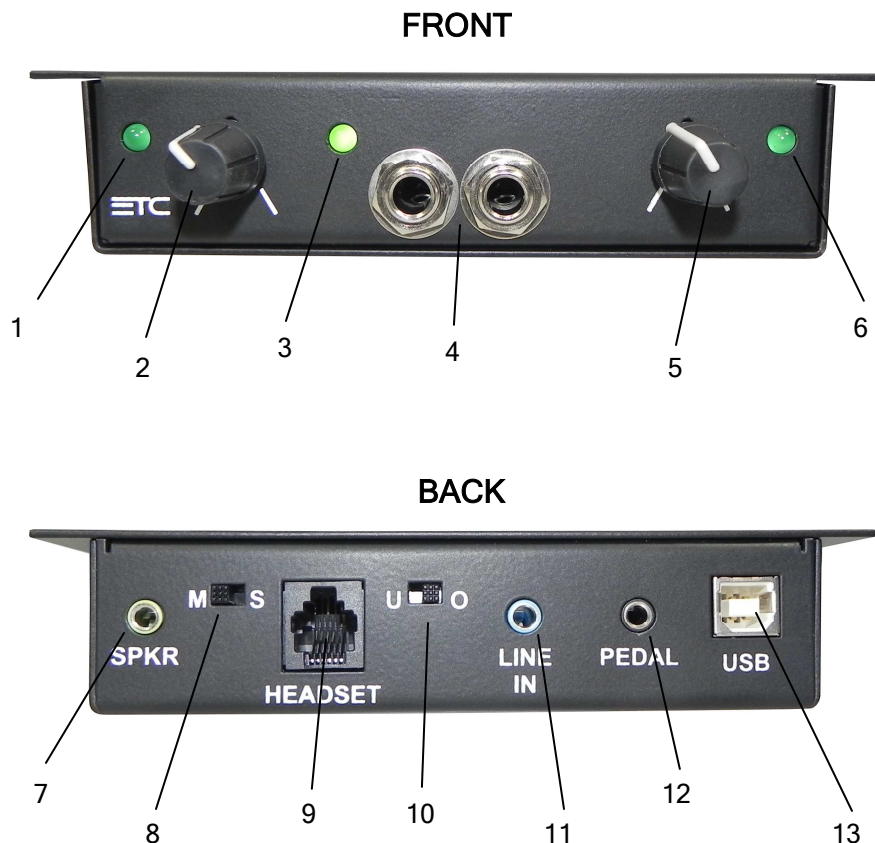# User Guide

UC-2™ USB
Under Desk Headset Interface

OVERVIEW:

The UC-2™ is a single channel USB Headset Interface device for use with common Dispatch Software Applications. The UC-2 is designed with ports for connecting a monaural headset via the Dual Prong headset interface (front) or via RJ style connector (back). Additionally the UC-2 has ports for connection of: External stereo PC speakers, foot switch and a line in. The UC-2 also has provision for left & right volume controls along with corresponding "audio activity" LED's. The UC-2 was design primarily for under desk operation however may also be utilized above desk by means of a switch on the back of the unit. This switch swaps the left/right orientation of audio and controls so the left volume control will always control left audio & vice versa.

The UC-2 does not require any special drivers as it utilizes Windows default USB Audio Device drivers. Microphone and speaker levels are easily set/adjusted by means of Windows audio settings as indicated in the following pages of this document.

Below is a quick overview of the UC-2's physical features. (Shown as Under Desk mounting)

FRONT

BACK

1. Left channel audio activity "winky"
2. Left or right channel volume control. Depends on position of switch, item 10,
3. USB power and device enumerated indication.
4. Jack to connect Monaural Headset, 1/4" dual prong headset jack, Polarity sensitive. Requires PN#DP250-RJ25
5. Right/left volume control.   Depends on position of switch, item 10,
6. Right channel audio activity "Winky"
7. Jack for external stereo PC speakers.
8. Switch allows the right channel speaker output to be disabled if needed (M Position)
9. Jack to alternately connect a Monaural Headset or to connect a supervisor headset.
10. Switch to control Under or above desk operation. Switches left/right audio and volume controls
11. Jack to allow input of line level audio signals
12. Jack for connection of ETC footswitch (FP-115)
13. Jack to connect UC-2 to PC via USB A/B style cable

QUICK SETUP:

Upon connecting the UC-2 to a PC, via an 'A'/'B' style USB cable, a notification should appear from the system tray indicating device drivers are being installed. The UC-2 utilizes existing Windows™ USB audio device drivers, no driver disc is required. Allow the drivers to load, this could take 1-2 minutes, until notification is displayed indicating device is 'ready for use' by the OS.
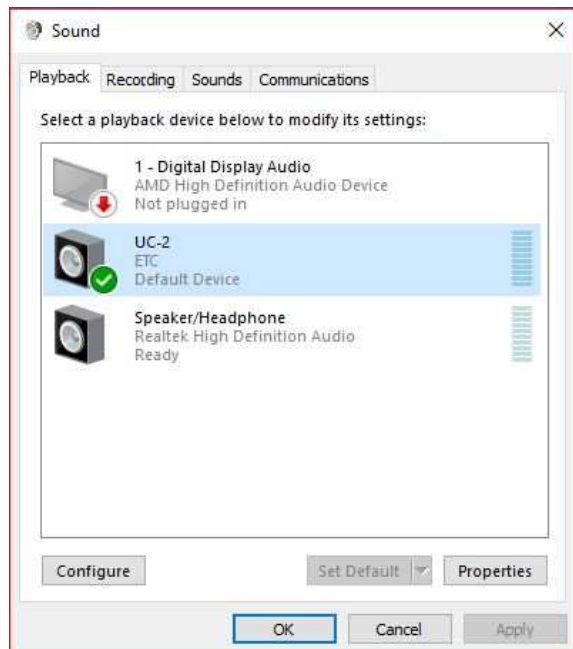
Bring up the Audio Control Panel, (right click speaker icon in Windows 7) or Settings/Sound/Sound control Panel (Windows10), Click either 'playback' or 'recording' tab on the pop up. In either tab, there will be a device labeled ETC xxx, select and click properties or double click it to enter properties window of the respective device. If UC-2 is not displayed click on the user definable field and change the device name to UC-2 then click apply. Next click the level tab and set the slider anywhere between 50-75%. This level can be fine tuned later depending on individual preferences. and you should get the following window as displayed below. If you have the 'Playback' tab selected you should see an audio device labeled 'ETC VoIP Ch.1' displayed. Other audio devices may be displayed depending on hardware configuration of the particular PC. Repeat previous step for the recording tab.

Note: In the level tab of the UC-2 Speaker properties there will be a "Microphone" slider and mute button. Make sure the Mic is muted on this tab or you will experience echo.

See following screen captures for additional explanation.

Window Audio Control Panel

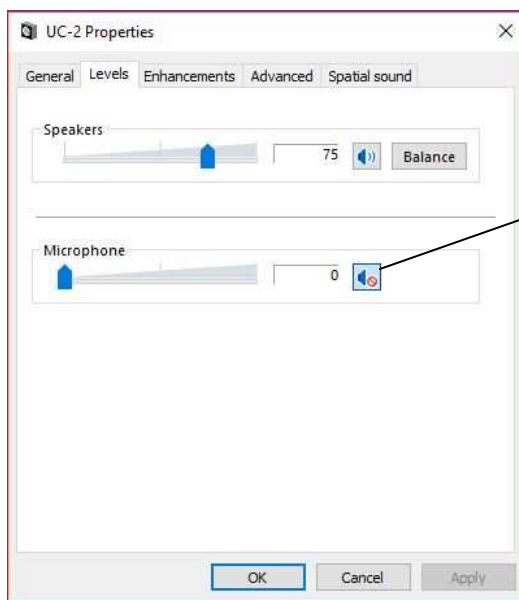Playback Tab   RecordingTab

Speaker Level Adjustment

Adjust slider to desired level to optimize performance of the UC-2 speaker output. ETC recommends anywhere between 50-75% should be sufficient for most applications.

As indicated from previous page, make sure the Microphone indicates muted as shown in image below. If the mic is in an "unmuted" condition, depending on the mic level, Zero is recommended, the user may experience echo when transmitting.
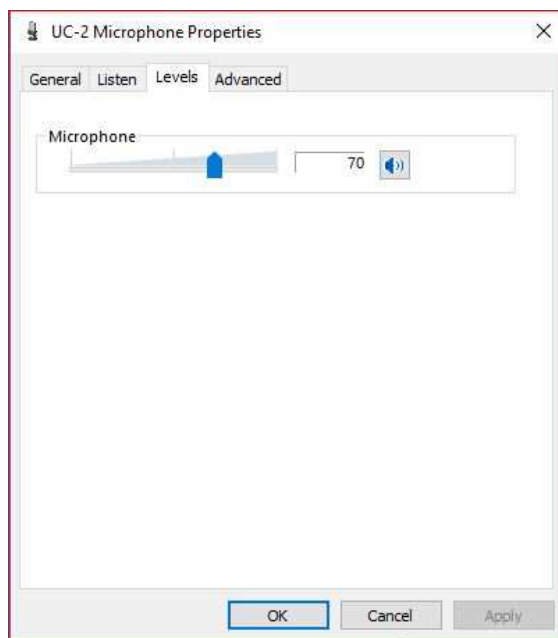

Make sure this indicates Mute condition

Microphone Level Adjustment

Adjust slider to desired level to optimize performance of the UC-2 Microphone input. ETC recommends anywhere between 50-75% should be sufficient for most applications.

When finished making adjustments on this page click OK and you will be returned to the Sound Control panel. If no further adjustments are needed you may close the window and your new USB audio device is ready for use. Depending on your particular application you may or may not want to set the UC-2 as the 'Default' audio device. Doing so will send all OS sounds to the UC-2.

Accessories:

Below are some accessory components. Depending on the application, some or all may be necessary. Consult your ETC sales representative for more information on available accessories and determining the best fit your needs.

DP250-RJ25

Dual 1/4" prong jack cable assy, for use with MBP-18 belt pack

MBP-18

Monaural Belt pack w/PTT

QD-RJ9

Monaural headset cable assy, for use with MBP-18 and Plantronics HW251N headset

HW-251N

Plantronics HW251N headset

FP-115

Foot switch for remote PTT

Specifications: TBD

- Frequency Response: 200Hz-6kHz
- Distortion: < .1%
- USB 'B' style connector
- USB powered
- 150mA Nominal Current Consumption
- 1 BTU/Hr
- Size: 6" W x 1.25" H x 3.6" D
  - 150mm W x 32mm H x 95mm D
- Weight: 15 ounces / 420 grams