

# ETC



**ESSENTIAL TRADING SYSTEMS CORP.**

*The possibilities are endless.*

## VCC-2

# USB Desktop Command Console

## Installation Guide



**THE POSSIBILITIES ARE *ENDLESS.***

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# Introduction

ETC's VCC-3 USB Desktop Command console is designed to integrate with any PC Based Dispatch Software. In conjunction with a wired headset or PTT handset, the VCC-2 provides an operator with simple functions for complex usage scenarios. Features include:

- RJ-25 port for a PTT Handset Device or Plantronics HW series monaural wired headsets
- Speaker Out Jack (Stereo)
- Line In Jack (bypasses the VCC-2 and controls volume of PC speakers plugged directly into the PC)
- Foot Switch Input Jack
- USB 2.0 compliant port
- Gooseneck Microphone
- Left & Right Speaker Volume Control Knobs
- Channel Activity Indicator LED's
- Large PTT button



# Parts List

The VCC-2 has numerous features & functions and to compliment these features & functions are several standard and optional components shown below. ETC has designed the VCC-2 to work with commonly available user interface devices such as, Plantronics headsets and wired / wireless PTT body packs as shown below.

## Standard Accessories:



USB Cable  
P/N-UO23-006

## Optional Accessories:



PTT Handset  
P/N: GO0897-IOM



Foot Switch  
P/N: FP115



PTT Body Pak for  
HW Series Headset  
P/N: J2318 - Mono



QD to RJ11 Coil Cord  
Adapter  
P/N: 26716-E01



Wireless PTT Headset  
Adapter, CA12  
P/N: 92900-01



6-wire cable RJ25-RJ25  
P/N: RJ25C  
(Plantronics CA12 base)



Headset, Mono, HW251  
P/N: 64336-31

# Physical Descriptions

## Back View



**SPKR** : This port allows connection of powered, stereo PC style speakers

**H / H SET** : This port can integrate an optional PTT (Press To Talk) headset, wired Plantronics HW Series monaural headset or wireless Plantronics CA12 . Use of the Plantronics headset requires an additional accessory cable to interface the QD style connector to the RJ-25 port of the VCC-2. Use of Plantronics CA12 base requires RJ25C cable.

**LINE IN** : Allows to bypass the VCC-2 and control volume of PC speakers plugged directly into the PC.

**DIP SWITCHES** : 1-2 Audio Out Settings | 3-4 Audio In Settings

**1 - HEADSET ON:**

DOWN– Stops audio going to the headset port

UP- Allows audio going to the headset port

**2–SPKR ON:**

DOWN– Stops audio going to the SPKR port

UP- Allows audio going to the SPKR port

**3–HEADSET ON:**

DOWN– Allows headset/handset microphone audio going to the PC

UP- Block headset/handset microphone audio going to the PC

**4–GN ON:**

DOWN–Allows gooseneck microphone audio going to the PC

UP- Block gooseneck microphone audio going to the PC

**FOOT PEDAL** : This port allow connection of a foot switch. The foot switch acts as an alternate PTT button to the PTT button on the device. Pressing the foot switch will send the same 'hot key' sequence as the device's normal PTT button.

**USB** : A USB cable is plugged into this jack to connect the VCC-2 to a computer. Upon properly connecting the VCC-2 to your PC, it will automatically install using native Windows/Linux drivers. Please note, it can take several minutes for the OS to recognize new hardware and install drivers. Do not disconnect the VCC-2. The message "New Hardware Installed" will be displayed when the installation is complete.

## Top View



**L. Vol** : The VCC-2 is capable of processing incoming stereo audio. This controls left side audio level. Note: this works best when Dispatch Software channels are set accordingly.

**R. Vol** : The VCC-2 is capable of processing incoming stereo audio. This controls right side audio level. Note: this works best when Dispatch Software channels are set accordingly.

**Activity** : LED's are provided as visual indication to the user of audio activity on a respective channel

**PTT** : When this button is pressed the VCC-2 sends a hotkey sequence to the Dispatch Software client application. Which channel the PTT button activates is configured via the WAVE client. The hot key set is: F8. Unit can be configured to use Game Port protocol.

# Windows 7 Audio Device Hardware Configuration

Click on the **Sounds** icon located in the **Control Panel** (Figure 1) or right click the speaker icon in your system tray then click Playback Devices.

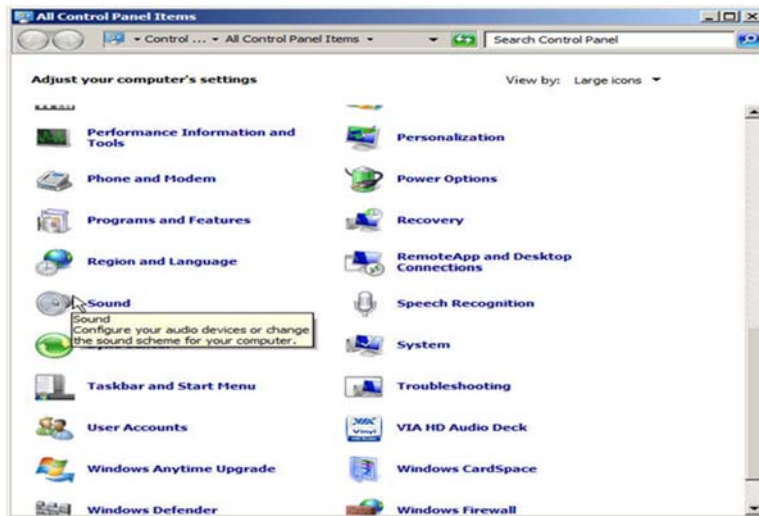


Figure 1

In the **Sound** window, choose the **Playback** tab, select **Speakers ETC VCC-2 Default Device** (Figure 2) and click the **Properties** button. In the **Speakers Properties** window (Figure 3), choose the **Levels** tab. Adjust the **Speakers** level to 75, the **Microphone** level to 0 (zero), and **MUTE the Microphone**.

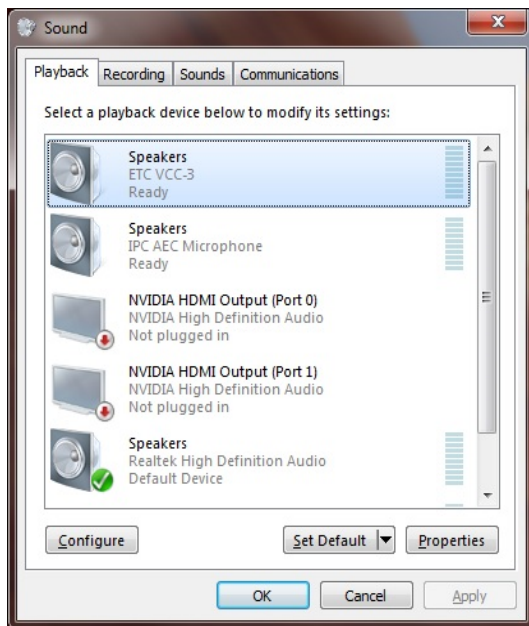


Figure 2

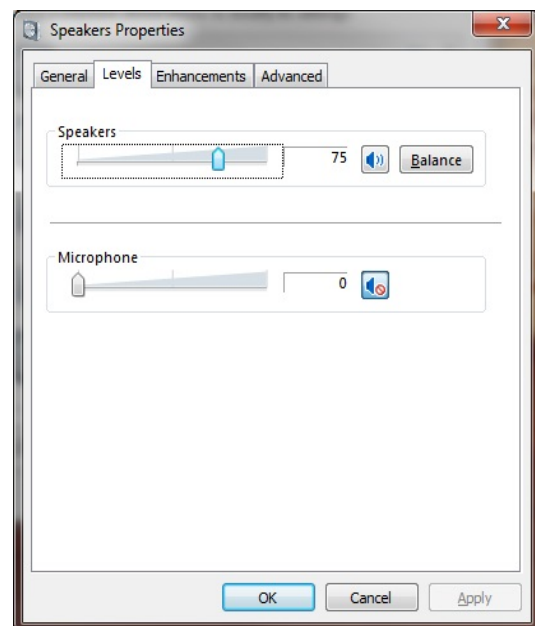


Figure 3

Click the **OK** button to return to the **Sound** window . In the **Sound** window, choose the **Recording** tab (Figure 4) , select **Microphone ETC VCC-3** and click the **Properties** button (Figure 5). Adjust Microphone level to 75, then click OK to return to Sound window. Click Ok to close the sound window.



Figure 4

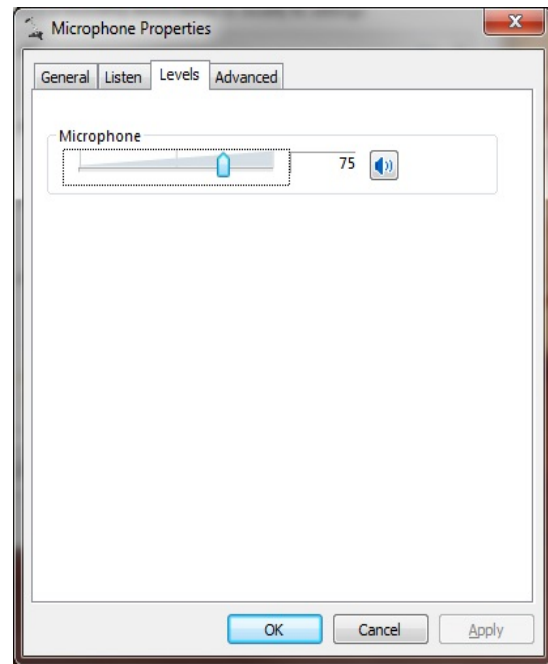


Figure 5



## Specifications

- Frequency Response: 200Hz- 8kHz
- Distortion: < .1%
- Analog output range: -40 dB to +0 dB
- Headset/Handset Impedance: Rx-10kOhm, Tx - 50 Ohm
- USB 'B' style connector
- USB powered
- 3.5 mm jacks for PC speaker & foot pedal connectivity
- 350mA Nominal Current Consumption
- Size: 1.25 lbs
- Weight: 5.75 in x 4.5 in x 2 in
- 6 BTUs Per Hour Output

## Jack Pinouts:

### (H/H Set) Handset or Mono Headset

- P1– PTT
- P2– Ear -
- P3– Mic +
- P4– Mic -
- P5– Ear +
- P6– PTT Common

### (SPEAKER)

- Tip– Left Audio
- Ring– Right Audio
- Sleeve– Common (Ground)

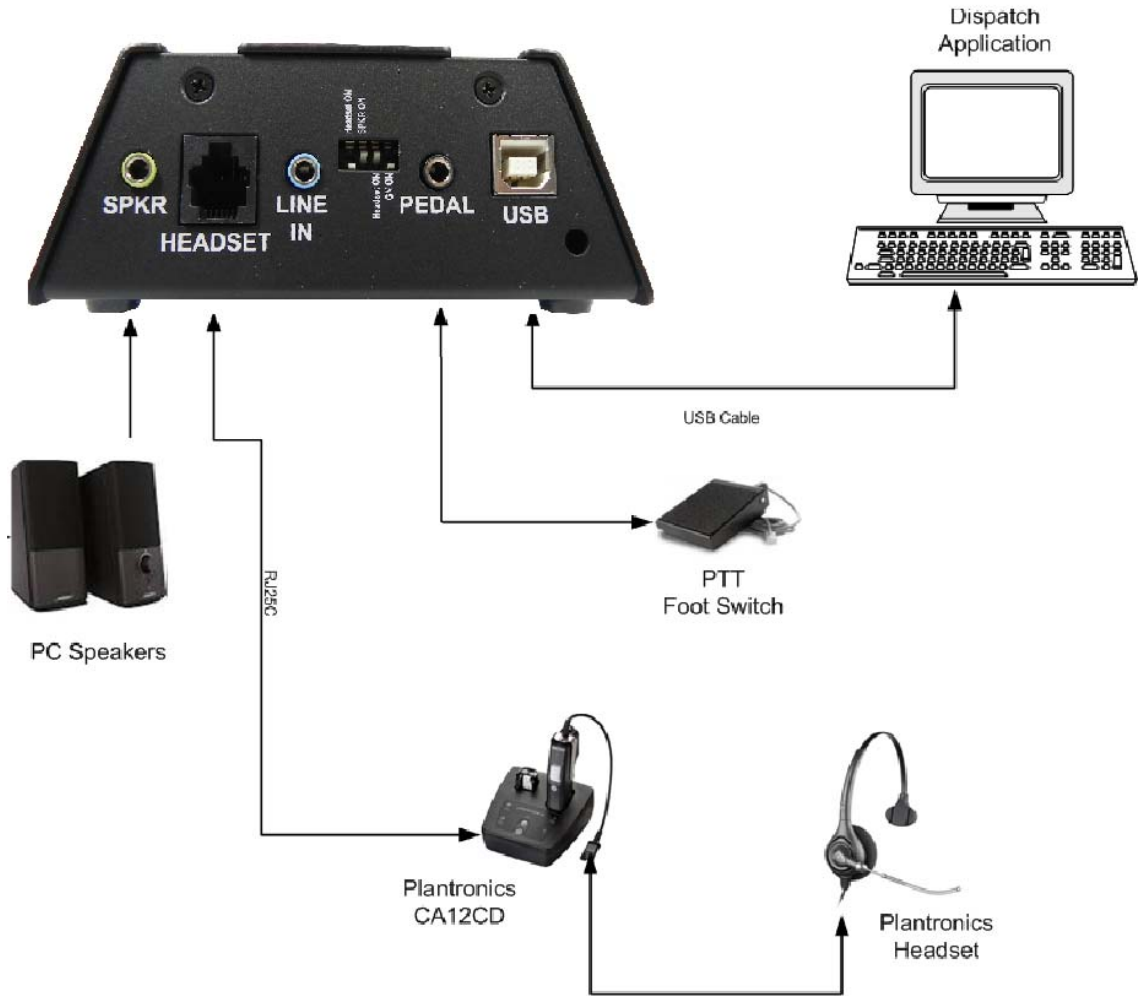
### (Foot Pedal)

- Tip– PTT
- Ring– PTT Com
- Sleeve– Gnd

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

# Quick Setup Examples

## Example 1



# VCC-3 Hardware Product Limited Warranty

ETC warrants that your ETC hardware product shall be free from defects in material and workmanship for the length of time specified in the Warranty Periods below, beginning from the date of purchase. Except where prohibited by applicable law, this warranty is nontransferable and is limited to the original purchaser. This warranty gives you specific legal rights, you may also have other rights that vary under local laws

## *Remedies*

ETC's entire liability and your exclusive remedy for any breach of warranty shall be, at ETC's option, (1) to repair or replace the hardware, or (2) to refund the price paid, provided that the hardware is returned to the point of purchase or such other place as ETC may direct with a copy of the sales receipt or dated itemized receipt. Shipping and handling charges may apply except where prohibited by applicable law. ETC may, at its option, use new or refurbished or used parts in good working condition to repair or replace any hardware product. Any replacement hardware product will be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer or for any additional period of time that may be applicable in your jurisdiction. This warranty does not cover problems or damage resulting from (1) accident, abuse, misapplication, or any unauthorized repair, modification or disassembly; (2) improper operation or maintenance, usage not in accordance with product instructions or connection to improper voltage supply; or (3) use of consumables, such as replacement batteries, not supplied by ETC except where such restriction is prohibited by applicable law.

## *How to Obtain Warranty Support*

Before submitting a warranty claim, we recommend you contact ETC support at [support@essentialtel.com](mailto:support@essentialtel.com) for technical assistance. Valid warranty claims are generally processed through the point of purchase during the first thirty (30) days after purchase; however, this period of time may vary depending on where you purchased your product - please check with ETC for details. Warranty claims or other product related questions should be addressed directly to ETC. at [support@essentialtel.com](mailto:support@essentialtel.com) or call (860) 295-8100 option 3 between the hours of 8:30 AM and 5:00 PM.

## *Limitation of Liability*

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