

# ETC



**ESSENTIAL TRADING SYSTEMS CORP.**

*The possibilities are endless.*

## VM-10 USB Desktop Audio Device Installation Guide



**THE POSSIBILITIES ARE *ENDLESS.***

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# Table of Contents

Introduction.....3

Parts List.....4

Physical Description.....5

Device Configuration.....7

Specifications.....9

Quick Setup Examples.....10

Warranty Info.....11

## Introduction

ETC's VM-10 programmable microphone is designed to integrate with virtually any 3rd party desktop VoIP (Voice Over Internet Protocol) applications. The VM-10 is ideal for situations where a multi-channel, plug-n-play, desktop audio interface is needed. With virtually any USB (Universal Serial Bus) compliant PC and VoIP desktop application software, the VM-10 enables "mouse free" interaction on up to 10 channels of audio without the need to 'point-and-click' on the software application itself. This allows the user to speak on the channels while performing other tasks on the PC. The VM-10 has the ability to utilize your computer's internal speakers, or use an external set from the 3/8" jack on the back.

- Speaker Out Jack
- Foot Switch Input Jack
- USB 2.0 compliant port
- Gooseneck Microphone
- Volume Control Knob
- Audio Activity Indicator LED
- 10 "Hotkeys" PTT buttons



# Parts List

The VM-10 has numerous features & functions and to compliment these features & functions are several standard and optional components shown below.

## Standard Accessories:



USB Cable  
P/N-UO23-006

## Optional Accessories:



Foot Switch  
P/N: FP115



Speakers  
P/N: A150

# Physical Descriptions

## Back View



**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 once a channel is latched.

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

**USB** : A USB cable is plugged into this jack to connect the VM-10 to a computer. Upon properly connecting the VM-10 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 VM-10 during this time. The message "New Hardware Installed" will be displayed when the installation is complete.

## Top View



**Speaker Volume** : The VM-10 is only capable of processing mono audio streams. This controls both the left and right speaker audio level.

**Speaker Activity** : LED is provided as a visual indication to the user of audio activity.

**Push to Talk**: When this button is pressed the VM-10 sends a hotkey sequence to the operating system. Which channel the PTT button activates is configured via the software application. The hot key sequence scheme:

- 1 – Ctrl+Alt+Shift+A
- 2 – Ctrl+Alt+Shift+B
- 3 – Ctrl+Alt+Shift+C
- 4 – Ctrl+Alt+Shift+D
- 5 – Ctrl+Alt+Shift+E
- 6 – Ctrl+Alt+Shift+F
- 7 – Ctrl+Alt+Shift+G
- 8 – Ctrl+Alt+Shift+H
- 9 – Ctrl+Alt+Shift+I
- 10 – Ctrl+Alt+Shift+X

# 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**.

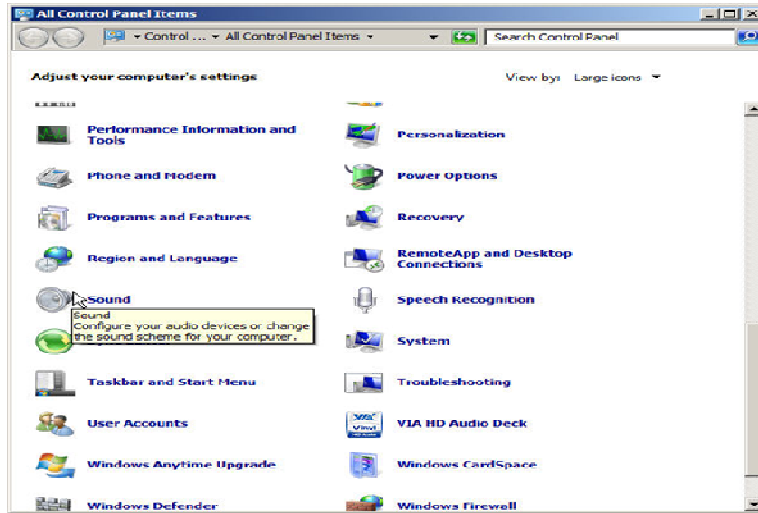


Figure 1

In the **Sound** window, choose the **Playback** tab, select **Speakers ETC VM-10 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

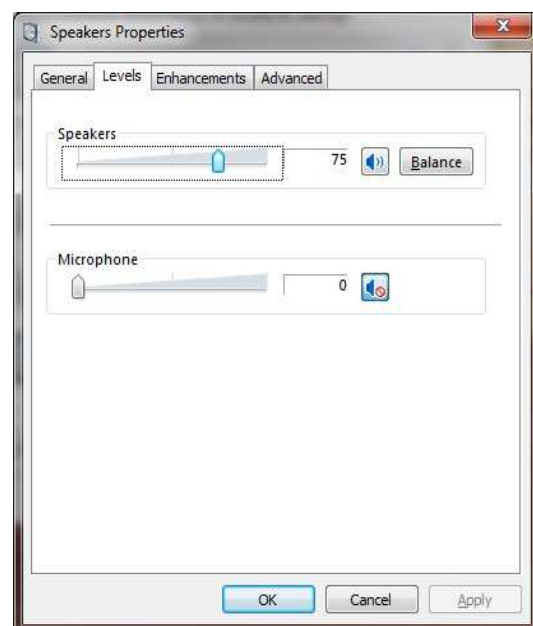


Figure 3

Click the **OK** button to return to the **Sound** window . In the **Sound** window, choose the **Recording** tab (Figure 4) , select **Microphone ETC VM-10** 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

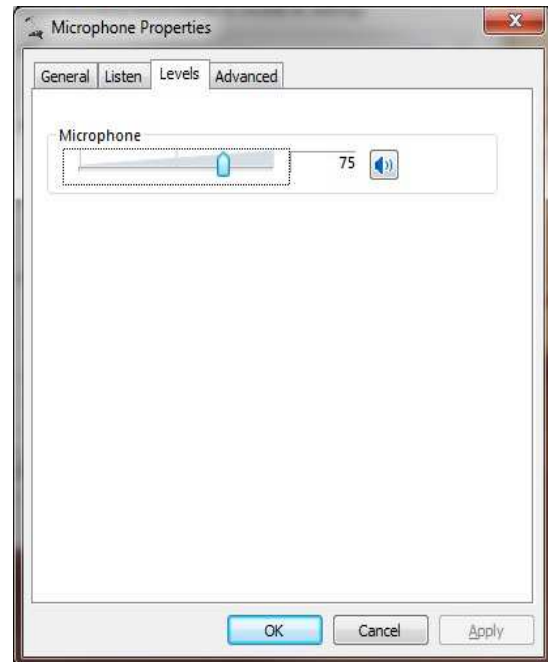
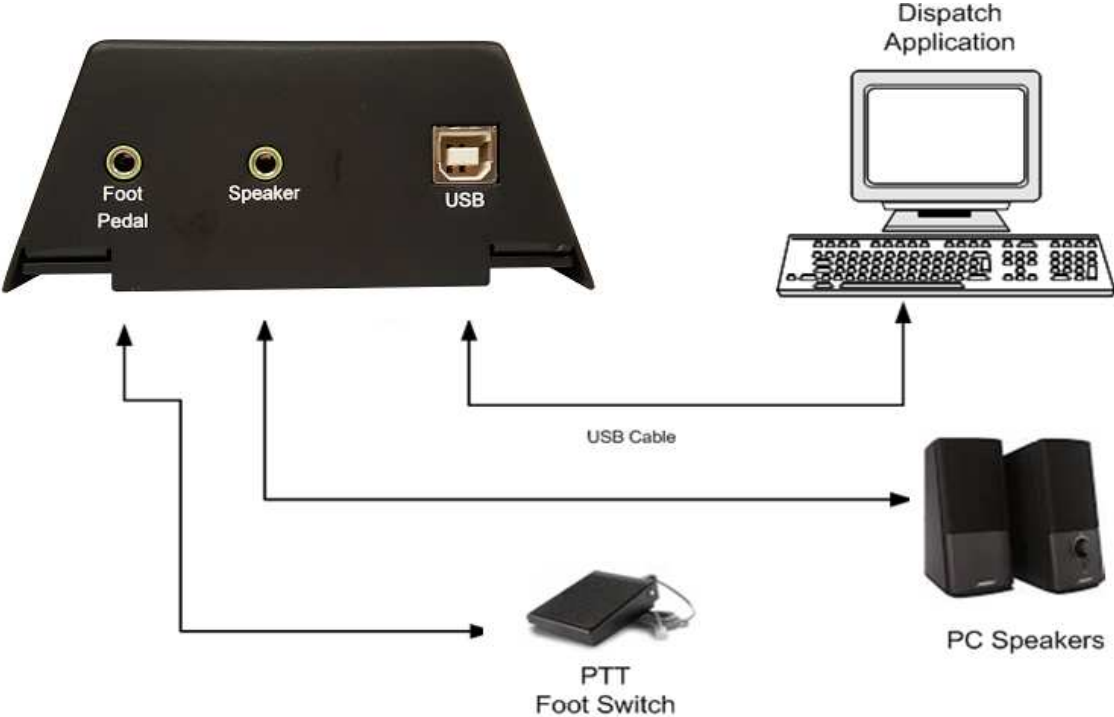


Figure 5

## Specifications

- Frequency Response: 200Hz- 19kHz
- Distortion: .05% At Max Output
- Analog output range: -40 dB to +8 dB
- 75 mA Nom, 375 mA Max current
- 1.5 BTU's/Hr
- USB 'B' style connector
- USB powered
- 3.5 mm jacks for PC speaker & foot pedal connectivity
- Size: 4.00" W x 2.00" H x 7.00" D
- Weight: 1.75 lbs
- 1.5 BTUs Per Hour Output

# Quick Setup Examples



# VM-10 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.

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