



PROFESSIONAL USB MIDI CONTROLLER

TR-1

OWNER'S MANUAL

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CONGRATULATIONS !

Thank you for purchasing the Vestax VCM-600. Please read through the user's manual thoroughly to use the VCM-600 safely and at its best performance.

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	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL		



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT SAFEGUARDS

READ BEFORE OPERATING EQUIPMENT

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

1. Read instructions-All the safety and operating instructions should be read before the appliance is operated.
2. Retain instructions-The safety and operating instructions should be retained for future reference.
3. Heed Warnings-All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions-All operating and use instructions should be followed.
5. Cleaning-Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. Attachments-Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. Water and Moisture-Do not use this product near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
8. Accessories-Do not place this product on an unstable cart, stand, tripod, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with product. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
9. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
10. Power sources-This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company.
11. Lightning-For added protection of this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.
12. Overloading-Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
13. Object and Liquid Entry-Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
14. Servicing-Do not attempt to service product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified personnel.

FEATURES

The TR-1 is a collaboration of Vestax and Japan's leading Techno DJ HIROSHI WATANABE, designed as an exclusive controller for TRAKTOR PRO. Each control is designed to work best with TRAKTOR PRO (Native Instrument GmbH.), and offers speedy setup by simply importing the tsi file.(MIDI map file)Please read the instructions of this user fs manual carefully before using the TR-1, to use it in knowledge of all its special features and suitable applications.

<http://help.vestax.co.jp/en/>

INCLUDED ITEMS

- User manual
- USB cable
- [TRAKTOR LE] Install discs

MINIMUM SYSTEM REQUIREMENT

Required system for the bundle software (Win / Mac)

Audio Interface (ASIO or CoreAudio)

QuickTime6.5

Internet connection

<Windows>

Windows XP (SP2)

Windows Vista (SP1)

CPU : more than 1.5GHz CPU

RAM : more than 1GB RAM

USB port (USB2.0 Compatible)

<Macintosh>

Mac OS X 10.4(10.5)

CPU : Intel Core Duo 1.66GHz

RAM : more than 1GB RAM

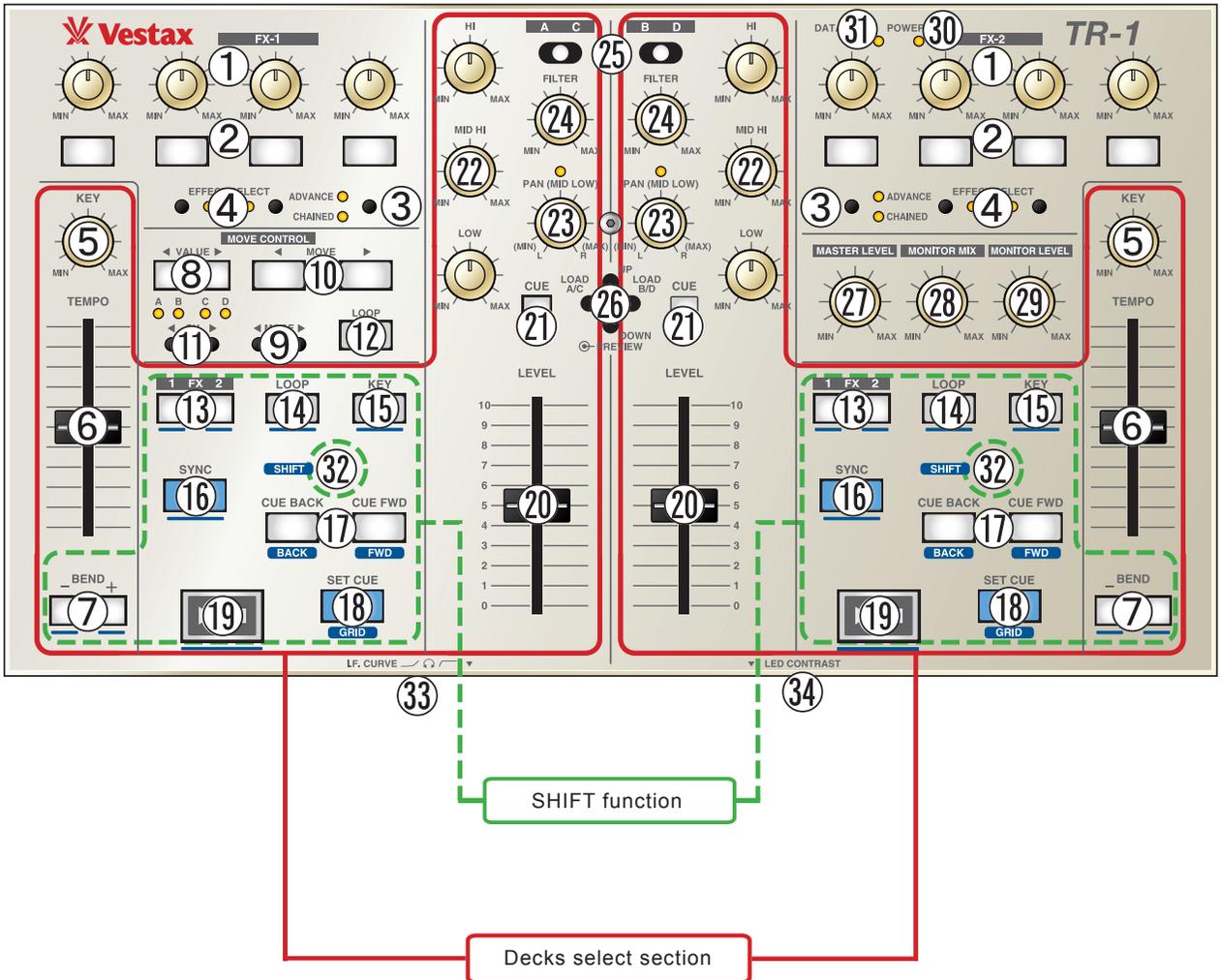
USBport(USB2.0 Compatible)

NOTE: Be aware that the requirements above do not guarantee operation with all computers and devices

FUNCTIONS

※The functions of each control described here are based on the features of TRAKTOR PRO (Native Instrument Ltd.) The features will be automatically assigned to each control by loading the tsi file.

<http://help.vestax.co.jp/en/>



●TOP PANEL

1. EFFECT CONTROL KNOB: Controls the parameter of any effect assigned to FX1 and FX2.
2. EFFECT CONTROL BUTTON: Controls the ON/OFF of any effect assigned to FX 1 and FX EFFECT CONTROL button in link with the EFFECT CONTROL knob must be ON to assign parameter
3. EFFECT SELECT BUTTON: Chooses effects to be assigned to FX1 and FX2. FX1 can only be c with CHAIN mode.
4. EFFECT MODE SELECT BUTTON: Selects the effect mode between CHAINED and ADVANCE. mode can apply 3 effects at once and ADVANCE mode can control detailed parameters of an effect.
5. KEY KNOB: Controls the key of the track being played, when the KEY button is ON.
6. TEMPO FADER: Adjusts the tempo of the track being played.
7. TEMPO BEND BUTTON: Increases / Decreases the tempo in $\pm 1.6\%$ segments. This button is used mixing tracks.
8. MOVE VALUE CONTROL: Controls the loop size. The loop size can be set from 1/32 to 32 verses.
9. MOVE CONTROL: Controls variable functions related to loops during MOVE mode.
 - Beat Jump: Jumps the play point back and forward in order to the jump size (beats) set in MOVE mo
 - Loop: Moves the loop back and forward, in order to the moving size set in MOVE mode.
 - Loop In: Moves the IN point of the loop back and forward in order to the moving size set in MOVE m
 - Loop Out: Moves the OUT point of the loop back and forward in order to the moving size set in mode.
10. CHANNEL SELECT BUTTON: Selects the channel you wish to loop, CUE or beat grid.
11. MOVE MODE: Selects the MOVE mode from [Beat Jump], [Loop], [Loop In] and [Loop Out].
12. LOOP BUTTON: Controls the loop function (ON/OFF) of the channel selected with the CHA SELECT BUTTON.
13. FX ON/OFF BUTTON: Controls the ON/OFF of FX1 & FX2. The effects assigned to FX1 and applied to tracks when this button is ON.
14. LOOP BUTTON: Controls the ON/OFF of the loop function.
15. KEY BUTTON: This button will lock the key of the track to not to be altered when the tempo is chan

16.SYNC BUTTON: Controls the tempo sync function. The track will be automatically synchronized to the master deck when activated.

17.CUE BACK/ CUE FWD BUTTON: Jumps the track back and forward to the set CUE point.

18.CUE SET BUTTON: Sets a CUE point.

19.PLAY/STOP BUTTON: Controls PLAY & STOP of the track.

20.FADER: Controls the sound volume of each track.

21.CUE BUTTON: Each track can be monitored through headphone by pushing the CUE button.

22.EQUALIZER: 3 band shelving type equalizer.

HI: Controls the high frequency of the track

MID or MID HI: Controls the MID or MID HI frequency of the track.

(MID LOW): The PAN knob will switch to control MID LOW when both SHIFT buttons are pushed. The blue LED will illuminate during this setting.

LOW: Controls the LOW frequency of the track.

23.PAN: Adjusts the stereo balance of the playing track.

※This knob will be the control for MID LOW EQ when the left & right shift button is pushed.

To enable this setting, open the Preference menu, click Mixer and make sure that [Xone] is selected for [EQ Selection].EQ Selection will be normally set to [Classic]

24.FILTER: Controls the filter effect when FILTER is ON.

25.CHANNEL SELECT SWITCH: Selects the deck you wish to control. Maximum 4 decks can be controlled at the same time. The left controls deck A & C, the right controls deck B & D.

26.JOY STICK: Selects songs within the track list by pushing up & down. Push left to load tracks to deck A/C and push right to load tracks to deck B/D. Push the joy stick as a button to turn ON the preview of the selected track.

27.MASTER LEVEL: Controls the sound level output from master out.

28.MONITOR MIX: Controls the mix level of master and CUE for monitoring.

29.MONITOR LEVEL: Controls the sound level of monitor (CUE).

30.POWER LED: Indicates that the power is being provided via USB or power adaptor.

31.DATA SEND LED: This LED will illuminate when any knob, fader or button has been operated and the TR-1 source or controller may have an error or have worn out. Please read TROUBLESHOOTING first before considering repair.

32.SHIFT BUTTON: This button is used together with other buttons to activate extended functions.

SHIFT+14/15.MOVE GRID MARKER BUTTON: Adjusts the beat (grid) automatically set to the bass drum back and forward.

SHIFT+17.POSITION SEEK BUTTON: Skips the play point within the track (during playback & pause) to wherever you wish to set a CUE point or start the track.

SHIFT+19.CUE PLAY: Plays the track from the designated CUE point.

SHIFT+18.AUTO GRID BUTTON: Automatically creates a grid in sync with the BPM.

● FRONT PANEL

33.I.F.CURVE CONTROL: Controls the curve characteristic of the input fader. The fader curve is sharp at the end (top) when the curve control is turned to left and sharp at the beginning (bottom) when turned to right.

34.LED BRIGHTNESS CONTROL: Controls the brightness of the LED's on the top panel. Turn left to darken, right to brighten.

● REAR PANEL

35.USB PORT

USB connection port. Sends out MIDI signals to control computer software and receives bus power via USB.

36.POWER SELECTOR

Selects the power source of TR-1. Set it to [DC 9V ADAPTOR] if using the power adaptor (not included), and USB if powering the TR-1 with USB bus power supplied from your computer.

37.DC POWER ADAPTOR CONNECTION

Connection for DC 9V power adaptor (not included).

CONNECTION WITH COMPUTERS

●Windows

1. Connect the TR-1 to your computer with the included USB cable.
2. Set the Power select switch to the power source you wish to use. Set the switch to [DC 9V ADAPTOR] if using the power adaptor and [USB POWER] if using USB bus power.

The POWER LED of the TR-1 will light up.

※CAUTION : Please use the exclusive power adaptor for stable operation if the USB is connected to a non-powered USB hub or if the computer does not have enough power capacity.

A message saying "New hardware found" will appear, and the required drivers will be automatically installed. (The message may not appear when the TR-1 is connected for the second time or when the driver is already installed)

3. Move any knob and fader to check that the data send LED illuminates along with all control movements.
4. To check connection status in Windows XP, view [control panel] > [system] > [hardware] > [device manager] > inside USB controller find [USB combined device] (Property: Location: Vestax TR-1) > inside sound, video and game controller find [USB Audio device] (Property: Location: Vestax TR-1). If both are displayed and the status is "This device is installed normally", the TR-1 is functioning with the computer.

●Macintosh

1. Select a power source with the Power Select switch on the rear panel.
Select DC ADAPTOR if using the Vestax power adaptor, USB BUS POWER if utilizing USB bus power from the computer.
※NOTE : If using a non-powered USB hub or if the computers power capacity is not sufficient, use the Vestax power adaptor (not included) for stable operation.

2. Connect the TR-1 to the computer with the included USB cable. The power LED will light up.
3. Move any knob and fader to check that the data send LED illuminates along with all control movements.
4. To check the connection status in Macintosh, view [Applications] > [Utilities] > [Audio MIDI setting] > [MIDI device] and find the TR-1 icon as shown in the picture.

Click the [TR-1] icon to see property.

Device: TR-1

Manufacturer: Vestax

Model: TR-1

「TRAKTOR LE」 Install & setup

●Windows

※Please refer to 8-1 for those who uses TRAKTOR PRO and DUO.

▼INSTALL

1-1. Insert the included installer disc to your computer.

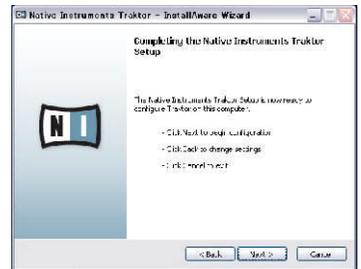
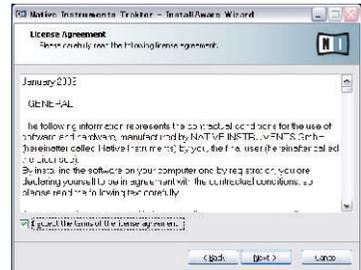
2-1. Click [Traktor 1.1.2] to start the installer.

2-2. Once the file is unzipped and the installer has appeared, click NEXT.

3-1. Put a tick in the left bottom box to agree to the license agreement and click NEXT.

4-1. Choose [Complete] and click NEXT.

5-1. A summary of the current status will appear, confirm and click NEXT.



6-1. The installation will start.

7-1. Once the installation is completed the message below will appear. Put a tick in any preferred box and click FINISH to end the installer.



▼SETUP

8-1. The following window will appear when starting TRAKTOR for the first time. Choose a command to start.

「Demo」 . . . To use demo features only. (30days limitation)

「Buy」 . . . Purchase TRAKTOR serial online

「Active」 . . . Activates the purchased serial



9-2. The preference menu will appear when first starting TRAKTOR. Set each setting to your preference.

「Audio Setup」 . . . Audio interface selection & sampling rate setting

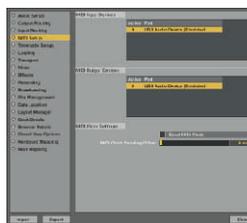
「Output Routing」 . . . Output setting

「MIDI Setup」 . . . MIDI related settings. ※TR-1 settings are made here.



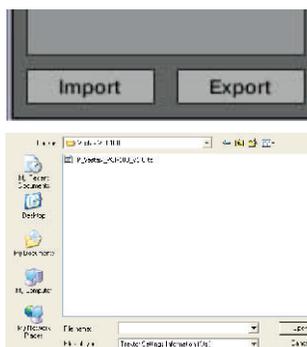
10-1. Click MIDI setup, and check that TR-1 has been identified by TRAKTOR.

There should be a [x] mark on the left of each [USB Audio Device] of MIDI input and output.



11-1. The tsi file (Traktor Setting Information) for TR-1 must be loaded to map all functions.

11-2. Click the [Import] button on the left bottom of the Preference menu and select the TR-1 tsi file.



11-3. The controls have been mapped to TR-1.

● Macintosh

※Please refer to 8-1 for those who uses TRAKTOR PRO and DUO.

▼INSTALL

1-1. Insert the included installer disc to your computer.

2-1. Click [Traktor 1.1.2] to start the installer.

3-1. Click NEXT.



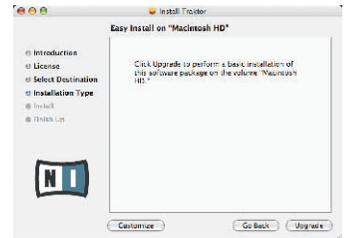
3-2. Click [continue].

3-3. Click Agree to accept the license agreement.

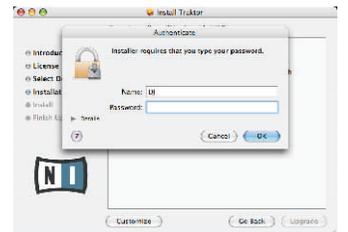


4-1. The installer will ask to choose a directory for TRAKTOR to be installed. Default directory is the Application folder.

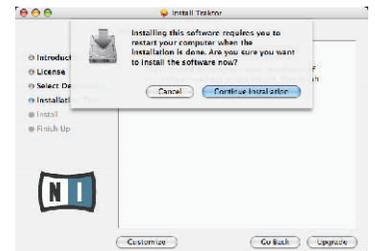
If you are using several hard disk drives and wish to install TRAKTOR to a different folder, click [change directory] and choose a new folder.



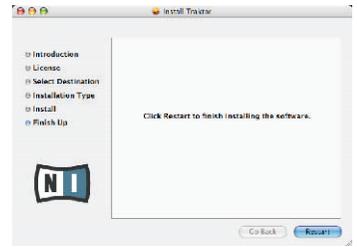
5-1. Enter your Macintosh password.



5-2. The installer will confirm if you wish to precede the installation. Click install to start.



- 6-1. The screen below will appear when installation is in process.
- 6-2. Restart your computer once the installation has completed.



▼SETUP

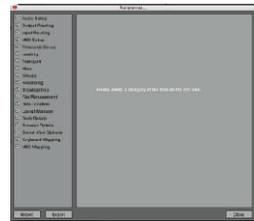
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- 「Demo」 . . . To use demo features only. (30days limitation)
- 「Buy」 . . . Purchase TRAKTOR serial online
- 「Active」 . . . Activates the purchased serial



7-2. The preference menu will appear when first starting TRAKTOR. Set each setting to your preference.

- 「Audio Setup」 . . . Audio interface selection & sampling rate setting
- 「Output Routing」 . . . Output setting
- 「MIDI Setup」 . . . MIDI related settings. ※TR-1 settings are made here.



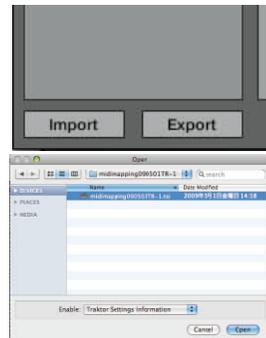
8-1. Click MIDI setup and check that TR-1 has been identified by TRAKTOR.

There should be a [x] mark on the left of each [USB Audio Device] of MIDI input and output.



9-1. The tsi file (Traktor Setting Information) for TR-1 must be loaded to map all functions.

9-2. Click the [Import] button on the left bottom of the Preference menu and select the TR-1 tsi file.



9-3. The controls have been mapped to TR-1.

ACTIVATION

This guide will help you through the activation of the included software, TRAKTOR LE.

- Please note that this guide is a simple version of the Setup guide included with the software. Read the setup guide for detail information.
- Use the latest version of Service Center. The version will be updated automatically if you are online. If you are not online, or have a firewall/anti-virus software activated to block auto-update, turn the firewall/anti-virus software off or login to Native Instruments website and download the latest version.

https://www.native-instruments.com/index.php?id=freeupdates_us

ACTIVATION

1. Why do I need to activate TRAKTOR LE?

Activation is a procedure required to use all functions of the software, by registering as a user. TRAKTOR LE will run on DEMO mode until the software is activated, with limits to the run time (30mins), saving settings. The DEMO mode will be deactivated once activation is completed and all features will become available.

2. How do I activate TRAKTOR LE?

TRAKTOR LE is activated with the NI Service Center software installed with TRAKTOR. Activation can be performed online and offline. If your computer is connected to the internet, activate TRAKTOR LE online. If your computer is not connected to the internet, activate offline.

3. Activate online

(日) Start Service Center

- Windows: Start Menu > NI Service Center > Service Center
- Mac OS X: HD > Applications > NI Service Center > Service Center

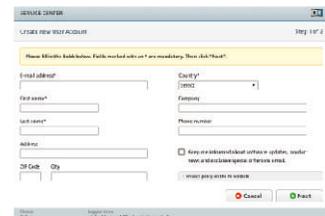
The locations above are default. If you have selected a different location for the software to be installed, start Service Center from there.

(月) A login window will appear. Enter your username, password and click NEXT. If you don't have a username select NO, click NEXT and enter your e-mail address and other asked information. Your personal account will be created and an e-mail will be sent to your e-mail address with username and password information. Enter the sent username, password and login.

(火) Check that TRAKTOR LE is un-activated and click NEXT.

(水) If the serial number was not asked to be entered when the software was installed, it will be asked now. Enter the serial number included with the software and click NEXT.

(木) Check that TRAKTOR LE has been activated.



3.2. Activate offline

(E) Start Service Center

- Windows: Start Menu > NI Service Center > Service Center
- Mac OS X: HD > Applications > NI Service Center > Service Center

The locations above are default. If you have selected a different location for the software to be installed, start Service Center from there.

(F) A login window will appear. Select Offline mode and click NEXT.

(G) Check that TRAKTOR LE is un-activated and click NEXT.

(H) Click the EXPORT button at the bottom of the window. Service Center will ask to save [ActivationRequestFile.html], select a location for it to be saved.

※ If the serial number was not asked to be entered when the software was installed, it will be asked now. Enter the serial number included with the software.

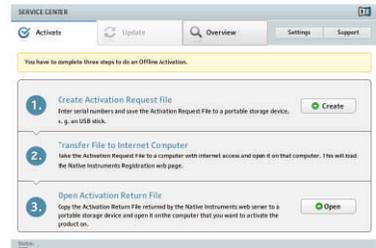
(I) Copy the saved file to an online computer with a USB memory or CD-ROM.

(J) Open the copied file and click SEND. Enter your username, password and click SUBMIT. If you don't have an NI account, select [NO-I do not have an NI account], click SUBMIT and enter asked information. Follow the steps that appear and download [ActivationReturnFile].

(K) Copy the downloaded [ActivationReturnFile] to the computer to be used with Traktor.

(L) Click the import button and Import [ActivationReturnFile]

(M) Check that TRAKTOR LE is now activated.



Troubleshooting

●The computer doesn't identify the TR-1

We recommend not connecting other USB devices to the computer when mixing / editing with music / video software. USB is a reliable protocol but multimedia software is CPU-intensive to the processor and USB buss. It is possible to connect multiple USB devices to one USB outlet on the computer via hubs, but may cause complicated problems to the hardware and software.

1 : If the computer doesn't identify the TR-1, disconnect as many USB device you can and restart the computer.

2 : Open Control Panel >> System >> Select the hardware tab and then click on "Device manager". Click the "+" on the left of "Sound, Video, Game controller". Disconnect the TR-1 if there is a "?" or "!" mark next to "USB audio device" and check that "USB audio device" disappears from the device manager list. If it disappears, reconnect the VCM-600 to a different USB port and see if the problem is solved.

3 : Check if the DJ software is set to use the TR-1 as its controller. Check the software's preference, or open the control section and check if the software is identifying "USB audio device" and is set to receive MIDI data from the VCM-600.

4 : For Macintosh computers, view [Applications] > [Utilities] > [Audio MIDI setting] > [MIDI device] and find "TR-1". Click on the TR-1 icon to see property and check that it displays, Device: TR-1, Manufacturer: Vestax, Model: TR-1.

5 : Check that the TR-1 is connected to the computer with the included USB cable.

6 : If the TR-1 is connected via USB hub, check if the problem solves by connecting the TR-1 directly to the computer.

●No audio output from the computer

The TR-1 is a simple USB MIDI controller and does not input or output any sound data. If the computer does not output sound signals, the relation between the software, OS and hardware is not working normally. Please check the software settings and audio driver settings of the computer.

●No audio output when the TR-1 is connected.

The controls assign setting for the TR-1 and software may be incorrect. Move all volumes, faders and switches to check if the master out, cross fader and monitor volumes level is zero. Also check if the Mute button is ON or if it's assigned to other buttons or controls.

■Technical support & Customer service

Please visit the website below for all technical support and customer service regarding the TR-1.

SPECIFICATIONS

SIZE : 359(W) × 198(D) × 35(H)[45(H)][with knobs]

WEGHT : 2.6Kg

VOLTAGE : 5V(USB POWER)

POWER CONSUMPTION : 300mA

POWER ADAPTOR : DC 9V 500mA (option)