

PENTAGRAM Vanquish R USB User's Manual

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Product number: **P 5101**

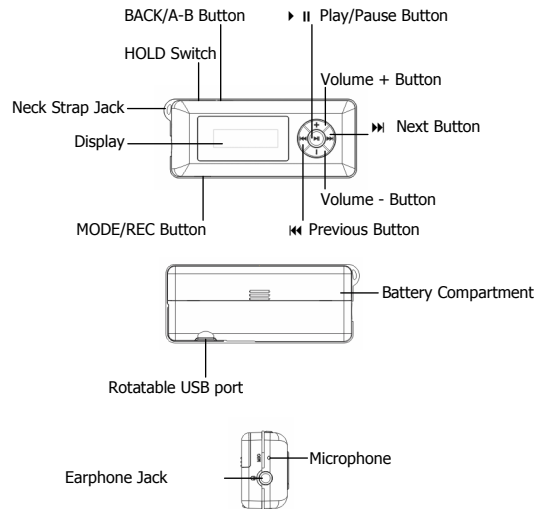
The newest versions of manual, drivers and applications are available to download on www.pentagram.eu

1. Introduction

Thanks for purchasing PENTAGRAM Vanquish R USB.

1.1 Features

- Dichromatic OLED display
- Support MP3, WMA file
- Rotatable USB port.
- Synchronously Lyric (LRC file) display
- Switching EQ quickly.
- Built-in FM tuner
- Support VOICE (optional) and FM recording
- Built-in flash memory
- Effectively prevent misoperation with **HOLD** switch
- No driver installation required (except on Windows 98/98SE)
- Firmware update



1.2 Package Contents

- PENTAGRAM Vanquish R USB
- User's Manual

1.3 System requirements

- Windows 98/98SE/2000/Me/XP or MacOS 10.2 or Linux 2.4.2
- Free USB port

2. Usage on the Computer

2.1 Connecting with the Computer

Vanquish R USB can be connected with the computer directly through the rotatable USB port.

2.2 Utilities Installation

Windows 98/98SE requires one time installation of the driver available for download at www.pentagram.eu

The installation steps of Utilities are as the following:

- 1) Download the installation file from PENTAGRAM website.
- 2) Double click the installation file "Setup.exe", the system would install Utilities automatically. The tool would appear in "Programs" of "Start" after installation.

2.3 Data Transferring

- 1) Boot your computer, connect Vanquish R USB with the computer.
- 2) The OLED screen displays "READY" to prompt the connection status after connected.
- 3) **Windows 98/98SE/Me/2000/XP/Server 2003:** Double click "My Computer", you would find a new icon named "Removable Disk", representing PENTAGRAM Vanquish R USB. A new icon would appear at the taskbar on Windows Me/2000/XP/Server 2003, representing Vanquish R USB.
Mac OS 10.2 or above (Mac OS 10.3.2 e.g.): A new icon named "NO_NAME" would appear on the desktop of your computer, representing Vanquish R USB.
Linux 2.4.2 or above: Enter the system by user "root" and input the command "mount /dev/sda /mnt". This command is to create a directory where Vanquish R USB would be mounted.
Note: "sda" is an unfixed input item, please make relevant changes according to Linux operating discipline.
- 4) Then you can copy, delete, or edit data, just as on a traditional hard disk.

2.4 Disconnecting

Please refer to the following steps to unplug Vanquish R USB after data transferring:

- 1) **Windows 98/98SE:** The OLED of Vanquish R USB would display "READY" when finished data transferring, then you can disconnect Vanquish R USB from USB port of the computer.
- 2) **Windows Me/2000/XP/Server 2003** (Windows 2000 e.g.): Click the icon at the taskbar, click the prompt menu "Stop USB Mass Storage Device - Driver", and click "OK" in the pop-up window "The 'USB Mass Storage Device' device can now be safely removed from the system", then you can disconnect Vanquish R USB from the computer safely.
- 3) **Mac OS 10.2 or above** (Mac OS 10.3.2 e.g.): Select the icon representing Vanquish R USB, and click "File" to select "Exit NO_NAME", then disconnect Vanquish R USB from the computer.
Tips: Drag Vanquish R USB icon into Trash, and then disconnect it from the computer.
- 4) **Linux 2.4.2 or above:** Input the command "umount /mnt" before unplugging Vanquish R USB, The "/mnt" directory is corresponding with the "/mnt" mentioned above.

2.5 Format Mp3 Player

You can format MP3 Player through the following two methods:

1. Use the format function of Windows Operating System to format MP3 Player. Please select the format type as FAT.
2. Use the MP3 Player Disk Tool to format MP3 Player.

3. Basic Operation

3.1 Battery

PENTAGRAM Vanquish R USB powered by one AAA alkaline or rechargeable battery. When using the battery, please pay attention to the following:

- Please don't dispose Vanquish R USB into fire to avoid the battery exploding.
- Please don't disassemble any part of Vanquish R USB, any unauthorized disassembling would cause termination of PENTAGRAM official warranty.

The LCD would display "Initializing....." after inserted the battery into MP3 Player. There is no display on LCD after finished initialization.

- The battery is full.

- The battery is exhausted. This icon would flash when the battery is in low power.

3.2 Power On/Off

To power on MP3 Player, please hold ▶ || button, MP3 Player enters the MUSIC mode automatically after power on. To power off MP3 Player, please hold ▶ || button. When MP3 Player is in non-USB mode (except on playing and recording status), MP3 Player would power off automatically if there is no operation during the time which set in "SYS-Power Set". (Please refer to 4.5 for details).

Note: Vanquish R USB supports memory function, it can automatically save all settings of MP3 Player when it powers off normally.

3.3 HOLD

This function is used to prevent the buttons from being operated accidentally. To lock all buttons please simply lock HOLD switch, a lock icon would appear on the screen, and no button would be able to operate. To release the lock status, please unlock HOLD switch.

3.4 Firmware Update

You can download the latest update tool (if available) from our website to update Vanquish R USB. The update steps are as the following:

1. Please uninstall "Vanquish R USB" in your computer first, then double click the downloaded file "Setup.exe", new Vanquish R USB Utilities would be installed automatically.
2. Run "Start -> Programs -> PENTAGRAM Vanquish R USB -> Firmware Download" to update firmware for Vanquish R USB, click "Start" button to begin update on the window of "Firmware Download". It would prompt "Complete" after updated, click "Close" button, then unplug Vanquish R USB from the computer to finish.
3. You can also click the check box of "Format Data Area" in "Firmware Download" window, click "Yes" button in the pop-up window "Formatting the data area will erase all files stored on the media, Continue?". Format Vanquish R USB would delete all data stored in Vanquish R USB, please get backup first!
4. Click "Start" button to format Vanquish R USB. It would show "Complete" upon format finished, click "Close" to finish.

Warning:

1. Firmware update can improve and optimize the performances of Vanquish R USB, but Vanquish R USB also can work properly without firmware update.
2. Vanquish R USB can not work properly due to misoperation! Please read this manual in detail before operating firmware up-date, and ask for help from the computer engineer.
3. This firmware update program is only available to Vanquish R USB.

4. Mode Operations

Vanquish R USB includes the following menus: MUSIC, FM, RECORDER, DEL, SET, and ABOUT. The details would be introduced as the following.

Keystroke operations:

1. Press ◀/▶ button to select menu.
2. Press ▶ || button to enter.
3. Press BACK/A-B button to return to previous menu.

4.1 MUSIC

Press ◀/▶ button to select MUSIC in main menu, press ▶ || button to enter.

Play/Pause/Stop:

Press ▶ || button to play a track.

Press ▶ || button to pause the playing track.

Hold ▶ || button to stop playing in playing/pause status.

Rewind/Forward: Hold ◀/▶ button to rewind/forward the track.

Select Track: Press ◀/▶ button to select track.

Turn up/down: Press Volume+/- button to turn up/down the volume.

Switching EQ: Press MODE/REC button to switch EQ.

A-B Repeat: Please hold BACK/A-B button twice to decide A (start) spot and B (end) spot while in playing status, Vanquish R USB would play the track between A and B repeatedly. Hold BACK/A-B button again to exit A-B repeat.

Lyric shows: Vanquish R USB would automatically search the lyric file (LRC format, you can make by yourself, download from internet, etc.).

1. Copy the track and the lyric file (LRC format) into the same folder.
2. Make sure the name of the lyric file is the same as the name of the track, otherwise the lyric can't be displayed.
3. Lyric would be shown synchronously on the screen during playing.

4.2 FM

Press \llcorner/\triangleright button to select FM in main menu, press $\triangleright \parallel$ button to enter. Press MODE/REC button to switch among "FM", "SEARCH", "SAVE", "REC" and "QUIT" under FM menu.

The details are as the following:

1. **FM:** Press $\triangleright \parallel$ button to pause/resume the receiving program, you can also switch channel by pressing \llcorner/\triangleright button if there is more than one channel saved, and press Volume+/- button to turn up/down the volume.
2. **SEARCH:** Vanquish R USB can save maximum 30 channels. Automatic Searching: Press $\triangleright \parallel$ button to start searching automatically, and the screen would display "Searching...". Vanquish R USB would save the searched channels automatically, Manual Searching: Press \llcorner/\triangleright button to search channel ahead/backwards by 0.1MHz manually in receiving status. Hold \llcorner/\triangleright button by 1.0 MHz.
3. **SAVE:** Press $\triangleright \parallel$ button to save channel after automatic/manual searching, the screen would display "Station Saved".
4. **REC:** Press $\triangleright \parallel$ button to start FM recording, press $\triangleright \parallel$ button to pause/resume during recording, hold MODE/REC button to exit and Vanquish R USB would save the recorded file as "F***.WAV" in "FM" folder automatically. The recorded files are played in "MUSIC" menu.
5. **QUIT:** Press $\triangleright \parallel$ button to return to main menu.

NOTE: Vanquish R USB would search and save channel(s) automatically when enter FM menu for the first time. The earphone can be used as antenna, connect it with Vanquish R USB would make better effect while searching channels.

4.3 RECORDER

Press \llcorner/\triangleright button to select RECORDER in main menu, press $\triangleright \parallel$ button to enter.

In the RECORDER menu, Vanquish R USB would play the MIC recorded files and MIC recording. The details are as the following.

- MIC Recording: Hold MODE/REC button to start MIC recording. You can press $\triangleright \parallel$ button to pause/resume during recording, hold MODE/REC button to exit and Vanquish R USB would save the recorded file as "V***.WAV" in "VOICE" folder automatically.

- You can press $\triangleright \parallel$ button to playback the recorded files in RECORDER menu, please refer to "MUSIC" for details.

4.4 DEL

Press \llcorner/\triangleright button to select DEL in main menu, press $\triangleright \parallel$ button to enter. Press \llcorner/\triangleright button to select item which you want to delete.

Press $\triangleright \parallel$ button to enter sub menu, press \llcorner/\triangleright button to select "YES" or "NO".

Select "YES", and press $\triangleright \parallel$ button to confirm, the screen would display "SUCCESS".

Select "NO", press $\triangleright \parallel$ button to return to DEL menu.

Press BACK/A-B button to return to main menu.

4.5 SET

Press \llcorner/\triangleright button to select SET in main menu, press $\triangleright \parallel$ button to enter.

Press \llcorner/\triangleright button to select item, press $\triangleright \parallel$ button to enter.

Press \llcorner/\triangleright button to set. Press BACK/A-B button to return to previous menu.

You can set the following items in "SET" menu:

Items	Description
EQ Setting	There are 6 equalizer modes: NORMAL, ROCK, JAZZ, CLASSIC, POP, BASS.
PlayMode	There are 6 play modes: NORMAL, REPEAT ONE, REPEAT ALL, SHUFFLE, SHUF & REPE, INTRO. NOTE: Under "INTRO" mode, Vanquish R USB would play the first eight seconds of each track.
Screen Savings	Vanquish R USB would start screen savings if there is no operation during the time which is set as 10, 20, 30, 40, 50 seconds and ∞ . You can press any button to exit screen savings. " ∞ " presents the screen savings wouldn't started.
Power Set	Vanquish R USB would power off automatically if there is no operation in stop status during the time which is set as DISABLE, 5MINS and 10MINS. "DISABLE" presents Vanquish R USB can not powered off automatically.
Default Set	To set as default value.
Language	The display language of menu & lyric: ENGLISH, 中文&简体, 中文&繁體, select EXIT (退出) to return to SET menu.
FM Band	To set the FM band as Europe or Japan.
Exit	Select "Exit", and press $\triangleright \parallel$ button to return to main menu.

4.6 ABOUT

Press \llcorner/\triangleright button to select ABOUT in main menu, press $\triangleright \parallel$ button to enter. Press \llcorner/\triangleright button to browse the system information, which includes company, model, version (software version/hardware version), and capacity (free/total capacity). Press $\triangleright \parallel$ button to exit ABOUT menu.

5. Others

5.1 Remarks

1. "F***.WAV, V***.WAV" are titles for FM and MIC recorded files in Vanquish R USB. "*" presents as 0~9.
2. The folders named "FM", and "VOICE" are auto-generated default folders for saving FM and MIC recorded files.

5.2 Catalogues support

Player supports 25 catalogues for one layer and 140 files in each catalogue. To create more catalogues, just create main-catalogues and 25 sub-catalogues in each main catalogue.

5.2 Specifications

Items	Description	
Dimension	73,6mm x 31 mm x 18 mm	
Net Weight	~39g	
OLED	Dichromatic OLED (128x64)	
Power supply	Powered by one AAA alkaline battery	
MP3, WMA	Earphone Output	6mW+6mW, 32ohm
	MP3 Bit Rate	8Kbps~320Kbps
	WMA Bit Rate	32Kbps~192Kbps
	Frequency Response	20Hz~20KHz
FM Radio	Stereo imbalance degree	+0,5dB
	Frequency Range	76MHz~108MHz
Music Files	Preservable Stations	30
		MP3, WMA, WAV
Working Temperature	-10°C~55°C	
Storage and Transportation Temperature	-40°C~70°C	
Relative Humidity under Working	20%~90% (40°C)	
Relative Humidity under Storage and Transportation	20%~90% (40°C)	
Atmospheric Pressure	86KPa~106KPa	
Language	ENGLISH, 中文& 简体, 中文& 繁體	
Computer	IBM PC, Compatible Notebook or Mac with USB port.	
Operating System	Windows 98/98SE/Me/2000/XP/Server 2003, Mac OS 10.2 or above, Linux 2.4.2 or above.	

5.3 FAQ

If you experience any of the following difficulties in using Vanquish R USB, use the following guide for help. Should any problem persist, contact with PENTAGRAM customer service.

Symptoms	Possible Reasons	Remedy
Fail to power on.	Low battery.	Change battery.
Power off shortly after being power on.	Low battery.	Change battery.
	HOLD switch locked.	Unlock HOLD switch.
No sound output.	The volume is 0.	Turn up the volume.
	Earphone isn't connected well.	Connect earphone correctly.
Keystroke void.	HOLD switch locked.	Unlock HOLD switch.
Fail to connect with the computer.	The driver of hasn't been installed on Windows 98/98SE.	Install the driver
Fail to copy files.		Check whether the system settings are accordance with requirements.
		Format Vanquish R USB and try again.
Cannot recording.	Low battery.	Change battery.
	Space insufficient.	Delete some files.
	Files have exceeded the maximum limit.	