CONTENTS

1.	INTRODUCTION	2
2.	MINIMUM SYSTEM REQUIREMENTS	2
3.	INSTALLATION	3
	3.1. Installing drivers	3
	3.1.1. Installation in Windows Vista	4
	3.1.2. Installation in Windows XP	
	3.1.3. Installation on Mac	
	3.2. DJ Control MP3 e2 and your computer's sound card	9
4.	OVERVIEW	10
	4.1. The top face	10
	4.2. USB connection	11
5.	USING DJ CONTROL MP3 E2 AT A PARTY	12
	5.1. Overview	12
	5.2. The DJ Control MP3 e2 control panel	
	5.2.1. Accessing the control panel in Windows	
	5.2.2. Accessing the control panel on Mac	
	5.2.3. Control panel features	
	5.3. Monitoring with headphones	
	5.4. Speeding up or slowing down a track	
	5.5. Creating cue points	
	5.6. Creating loops	
	5.7. Switching from one track to another	
	5.9. Scratching	
	·	
6.	CONFIGURATION IN MIDI MODE	22
7.	FAQ	30
8.	TECHNICAL SUPPORT	31
	8.1. Warranty information	32
	8.2. Additional warranty provisions	
FN	IVIRONMENTAL PROTECTION RECOMMENDATION	34

1. INTRODUCTION

DJ Control MP3 e2 is a high-performance DJ controller that opens up the doors to mixing and scratching digital music on your computer. Intuitive and fun to use, DJ Control MP3 e2 lets you put your own mark on your favorite music and share it with your friends to host great parties or make creative mixes.

DJ Control MP3 e2 functions with digital audio files, including MP3s. We would like to draw your attention to the fact that musical creations are protected by copyright and that you should comply with all applicable laws. We strongly encourage you to support artists by acquiring their works legally.

2. MINIMUM SYSTEM REQUIREMENTS

PC:

- Desktop/laptop PC with Intel Pentium III/Athlon 1GHz or compatible processor or higher
- Operating system: Microsoft Windows XP®, Vista®, 7™ (32 or 64-bit)
- 512MB RAM (Windows XP®); 1GB RAM (Windows Vista®, 7™) or higher
- Available USB 2.0 port (recommended) or USB 1.1 port
- Headphones or amplified speakers
- CD-ROM or DVD-ROM drive
- Graphics card supporting 1024 x 768 resolution
- Sound card (preferably featuring 4-channel output (4.1) or greater to use the headphone monitoring feature)
- Internet connection (strongly recommended) + 100MB free disk space for some applications

Mac:

- Desktop/laptop Mac with 1.5 GHz processor (G4, G5, Core Duo Series) or higher
- Operating system: Mac OS 10.4 or 10.5
- 1GB RAM or higher
- Available USB 2.0 port (recommended) or USB 1.1 port
- Headphones or amplified speakers
- CD-ROM or DVD-ROM drive
- Graphics card supporting 1024 x 768 resolution
- To use the headphone monitoring feature, you must have an external sound card featuring 4-channel output (4.1) or greater
- Internet connection (strongly recommended) + 100MB free disk space for some applications

3. INSTALLATION

3.1. Installing drivers



- Insert the installation CD-ROM in your CD-ROM drive.

The installation menu for your DJ Control MP3 e2 appears automatically.

- Click Install DJ Control MP3 e2

If the installation menu is not launched automatically:

PC:

- Double-click **My Computer** (Windows XP) or **Computer** (Windows Vista / 7).
- Double-click the CD-ROM icon.
- Double-click the installer package.

Mac:

- Open your Finder.
- Double-click the CD-ROM icon.
- Double-click the installer package.
- Click on the option to install the DJ Control MP3 e2 drivers and follow the on-screen instructions.



We recommend that you connect DJ Control MP3 e2 to a USB 2.0 port directly on your computer in order to enjoy the fastest transfer rates and optimal performance.

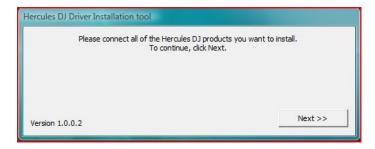
3.1.1. Installation in Windows Vista

Once files have been copied to your computer, the drivers will be installed. Windows displays three prompts in succession, regarding installation of the various components.



- Accept to install the software at each of these prompts to proceed with the installation.

A dialog box appears, prompting you to connect DJ Control MP3 e2 to your computer's USB port.



- Connect DJ Control MP3 e2 to your computer's USB port, then click Next.

Your computer automatically detects the DJ Control MP3 e2 and completes the installation of the required drivers.



Please note that installation of the drivers may take some time, depending on your computer's performance. Let the installation procedure run its course and follow the on-screen instructions.

You are notified when the installation is complete.

The DJ Control MP3 e2 icon appears in your Windows taskbar, next to the clock, indicating that your DJ Control MP3 e2 is installed and ready for use:



You should now install the VirtualDJ DJC Edition mixing software on your computer:



- In the installation menu, click **Install VirtualDJ DJC Edition** and follow the on-screen instructions.

The software is installed on your computer. When installation is complete, the VirtualDJ icon appears on your desktop.

- Double-click the VirtualDJ icon and enter the serial number, then click **OK**.



The serial number is found on the installation CD-ROM's envelope.

For more information on configuring your DJ Control MP3 E2, please refer to chapter <u>5.2. The DJ</u> Control MP3 e2 control panel.

3.1.2. Installation in Windows XP

Once files have been copied to your computer, the drivers will be installed.

A dialog box appears, prompting you to connect DJ Control MP3 e2 to your computer's USB port.



- Connect DJ Control MP3 e2 to your computer's USB port, then click Next.

Your computer automatically detects the DJ Control MP3 e2 and completes the installation of the required drivers.



<u>NOTE:</u> <u>Do not interact</u> with any Windows hardware detection windows that may appear during the installation process; any such windows will disappear in a short while on their own.

Please note that installation of the drivers may take some time, depending on your computer's performance. Let the installation procedure run its course and follow the onscreen instructions.

You are notified when the installation is complete.

The DJ Control MP3 e2 icon appears in your Windows taskbar, next to the clock, indicating that your DJ Control MP3 e2 is installed and ready for use:



You should now install the VirtualDJ DJC Edition mixing software on your computer:



- In the installation menu, click **Install VirtualDJ DJC Edition** and follow the on-screen instructions.

The software is installed on your computer. When installation is complete, the VirtualDJ icon appears on your desktop.

- Double-click the VirtualDJ icon and enter the serial number, then click **OK**.



The serial number is found on the installation CD-ROM's envelope.

For more information on configuring your DJ Control MP3 E2, please refer to chapter <u>5.2. The DJ</u> Control MP3 e2 control panel.

3.1.3. Installation on Mac

A welcome screen is displayed, informing you as to what will be installed.

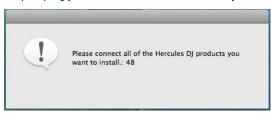


- Follow the on-screen instructions.

You may need to enter your password in order to proceed if administrator access is required on your system.

Once files have been copied to your computer, the drivers will be installed.

A dialog box appears, prompting you to connect DJ Control MP3 e2 to your computer's USB port.



- Connect DJ Control MP3 e2 to your computer's USB port.

Your computer automatically detects the DJ Control MP3 e2 and completes the installation of the required drivers.



Please note that installation of the drivers may take some time, depending on your computer's performance. Let the installation procedure run its course and follow the onscreen instructions.

You are notified when the installation is complete.

The DJ Control MP3 e2 icon appears on your desktop, indicating that your DJ Control MP3 e2 is installed and ready for use:



You should now install the VirtualDJ DJC Edition mixing software on your computer:



- In the installation menu, click **Install VirtualDJ DJC Edition** and follow the on-screen instructions.

The software is installed on your computer.

- To launch the VirtualDJ software on your Mac, go to Applications and then select VirtualDJ.
- Enter the VirtualDJ serial number, then click **OK**.



The serial number is found on the installation CD-ROM's envelope.

For more information on configuring your DJ Control MP3 E2, please refer to chapter <u>5.2. The DJ</u> Control MP3 e2 control panel.

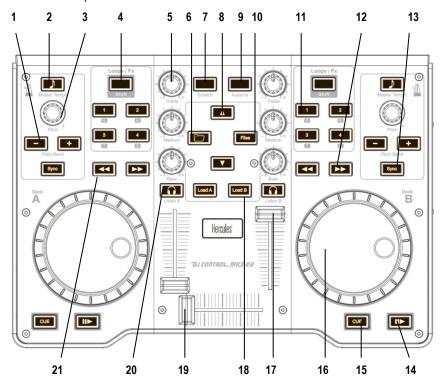
3.2. DJ Control MP3 e2 and your computer's sound card

DJ Control MP3 e2 is inseparable from your computer's sound card, speakers and/or headphones. It is your sound card that will process the music being played on your computer. The DJ Control MP3 e2 software allows you to control the music being outputted from your computer. As the DJ Control MP3 e2 connects to your computer via a USB port, you can connect it or disconnect it at any time, even when your computer is powered on, although not when the VirtualDJ software is in use.

4. OVERVIEW

4.1. The top face

Your DJ Control MP3 e2 features a variety of controls allowing you to interact with DJ software. There are two sets of these controls, as the left and right sections of the DJ Control MP3 e2 each correspond to a separate deck in DJ software applications. Descriptions of the default function of each control are provided below.



- 1. Decrease (-) or increase (+) speed of track (i.e. pitch) for accurate mixing
- Using the Master Tempo function, the tone of the track stays unchanged when you change the pitch
- 3. Pitch adjustment control knob
- **4.** Toggle between control of loops or effects (when the button is not lit up, loops are enabled; when the button is lit up, effects are enabled)
- 5. Cut or boost Treble/Medium/Bass frequencies
- 6. Folder button: switch the root directory
- 7. Enable scratch mode

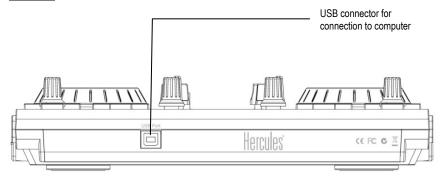
- 8. Move up (▲) or down (▼) through files
- 9. Automatically mix your entire playlist
- **10.** File button: enter a directory
- 11. 1-2-3-4 buttons: Apply loops on 1, 2, 4 and 8 measures respectively, when in loop mode; apply the corresponding effect when in effects mode
- 12. Next track/hold to fast-forward within track
- **13.** Synchronize the beat with the beat of the track on the opposite deck
- 14. Play/Pause track
- **15.** Set cue point (mark position in the track)
- 16. Vinyl-style jog wheel
- **17.** Volume fader for corresponding deck
- **18.** Load selected track on corresponding deck
- 19. Cross fader for seamless mixing between the 2 decks
- **20.** Enable headphone monitoring on corresponding deck
- 21. Previous track/hold to rewind within track

These are descriptions of the DJ Control MP3 e2's default functions, which may vary according to the application you are using.

4.2. USB connection

DJ Control MP3 e2 has a USB connector on its back face, allowing you to connect it to your computer. As DJ Control MP3 e2 is USB bus-powered, no external power source is required.

Back face



5. USING DJ CONTROL MP3 E2 AT A PARTY

5.1. Overview

You are now about to learn everything a DJ needs to know to host his or her first parties. Let's start at the beginning, namely setting up the party: no DJ would allow himself to arrive unprepared, which is why he would have organized his material and selected his records beforehand.

You should do the same by sorting through your music. Have a good look through your collection of CDs as well as your MP3 and WMA files and select the songs you are going to use. In order to be able to mix tracks effectively, you must know the tracks perfectly.

Once this is done, make sure that you have all the hardware you will need. Got your computer, DJ Control MP3 e2, a pair of speakers – and some headphones, if you have a multi-channel sound card – handy? Perfect, then you're ready to go!

You're probably asking yourself: and now, how do I get started? By way of introduction, here are the basic principles of DJing: a DJ works with two decks (or turntables). The first deck plays one track, while the DJ uses the second deck to get the next track ready. He can then work on this second track (speed it up so that it is at the same tempo as the track that is currently playing, etc.) before playing it out loud. Towards the end of a track, the DJ starts playing the track on the other deck and does a mix, which is to say a blending of the two tracks to create a perfect transition.



The two decks share a single music list. You can load your tracks from the explorer window.

- Move the mouse pointer onto the **MUSIC** icon in the middle part of the screen.

The explorer window opens with the music list in the lower right-hand part of the screen.

Please read through the following sections to learn more about the art of DJing. We also recommend that you consult the help documentation of the software supplied with your DJ Control MP3 e2 for additional information.

5.2. The DJ Control MP3 e2 control panel

You can access the control panel to configure your DJ Control MP3 e2.

5.2.1. Accessing the control panel in Windows

- Access the DJ Control MP3 e2 control panel via the Windows taskbar (in the lower right-hand corner of your screen) by clicking the icon.

5.2.2. Accessing the control panel on Mac

- Access the control panel by double-clicking the icon on your desktop.

5.2.3. Control panel features

- Main tab:
- → MIDI Channel for controls: Lets you select the MIDI channel on which MIDI commands are sent to control your DJing software, apart from Virtual DJ which includes native support for DJ Control MP3 e2.

Jog wheels settings

- → Enabling/Disabling: Lets you select whether to enable or disable the jog wheels.
- → Sensitivity: Lets you adjust the sensitivity of the jog wheels according to how you are using them (scratching, setting up a track, etc.).
 - About tab:

This tab contains all of the information regarding the driver version currently installed. Please refer to this information if you need to contact Hercules technical support.





5.3. Monitoring with headphones

To prepare his musical line-up, a DJ uses headphone monitoring: he listens to a track on his headphones while the other one is being played over the speakers, allowing him to adjust the tempo so that the tracks flow seamlessly together. He can also add audio effects, set cue points (markers) to start up at a specific point in a track, create rhythmic loops, adjust Treble, Medium and Bass frequencies, and so on. Your DJ Control MP3 e2 allows you to carry out this kind of headphone monitoring, depending on the hardware and software you have at your disposal.

If you only have a stereo sound card, you cannot carry out headphone monitoring. Please note that both Mac desktop and laptop computers, as well as most PC laptops, feature 1 stereo output ONLY; so if you have such a computer and want to use the headphone monitoring feature, you must have an external multi-channel sound card.

If you have a sound card with an output of 4 or more channels (such as the Hercules Muse Pocket LT sound card, or a similar sound card and), however, you can monitor music on outputs 3 and 4 over your headphones.

In order to use the headphone monitoring mode on your multi-channel sound card:

a) Verify that the speaker configuration is set to either 4 or 5.1 channels. This should ideally be done using your sound card's configuration program.

Your operating system also offers certain configuration possibilities:

PC: Start > Control Panel

- Sound and audio devices (Windows XP)
- Sound (Windows Vista / 7)

Mac: Application > Utilities > Audio MIDI Setup

- b) Make the necessary connections to your sound card as follows:
- Connect your speakers to the **FRONT** connector (usually green).
- Connect your headphones to the **BACK/REAR** connector (usually black).



Please note that connector labels on certain sound cards may vary. Consult your sound card's documentation for specific details.

- c) When running VirtualDJ for the first time, you will need to configure the software for use with your sound card.
- Click the Config button.
- In the **Sound Setup** tab, configure as follows:

Input: None

Output(s): Headphone

The adjacent menu should then display the default configuration: **Master : Front output /**

 $\label{lem:headphones:Rear output.} \textbf{Headphones: Rear output}.$

Sound card: 4.1 card (PC) / 4 Out Card (Mac)

Select the sound card you want VirtualDJ to use in the the adjacent menu.

You will need low impedance headphones for monitoring (less than 32 Ohms), as the sound level will be too low if you use high impedance headphones. To monitor a deck, press the monitoring button for the corresponding deck. Make sure to disable any 3D positioning features on your sound card, or else you may end up hearing echoes of the track you are monitoring in your main mix!

When a track on deck A is being played in the room, you should use your headphones to monitor the track on deck B, and when a track on deck B is being played in the room, you should press the headphone monitoring button on deck A to prepare the next track, and so on. When a monitoring button is lit up on your DJ Control MP3 e2, it indicates that the deck in question is being monitored.

In VirtualDJ, the boxes in the upper middle part of the screen representing decks 1 and 2 reflect your monitoring status: in the case below, deck A (the left-hand deck, or deck 1 in VirtualDJ) is green, indicating that it is being monitored on your headphones, while deck B (the right-hand deck, or deck 2 in Virtual DJ) is red, indicating that it is not being monitored.



5.4. Speeding up or slowing down a track

The main reason for speeding up or slowing down a track you are about to play is to match its BPM (i.e. the number of beats per minute) and synchronize its beat with that of the track already playing. In this way you can mix the two tracks together smoothly when switching from one deck to another. There are two ways to regulate the speed of a track: by manually adjusting its pitch, and automatically via beat-matching.

On vinyl decks, the pitch allows you to adjust the rotation speed of the turntable. This adjustment therefore changes the speed of a track by modifying its overall tonality (for example, a track that has been sped up significantly will sound much more high-pitched, or sharper).

You can therefore use one of the DJ Control MP3 e2's **Pitch** knobs to modify the pitch of a track.

VirtualDJ also offers a very useful function to automatically match the BPM of tracks that are playing and synchronize their beats for easy mixing: this function is called beat-matching. Press the **Sync** button on either deck to toggle beat-matching on and off for the deck in question. When the **Sync** button stays lit up in blue, beat-matching is enabled on that deck; when the LED is off, beat-matching is disabled on that deck.



When a track is being played on a deck, the BPM is displayed just above the track's timeline, to the right (the percentage next to the BPM indicates how much faster (+x.x%) or slower (-x.x%) the current BPM is in relation to the track's normal BPM):



 Press the Sync button on a deck to automatically match the BPM and synchronize the beat of the track on that deck with that of the track playing on the other deck.

The **Sync** button lights up. This track's BPM is automatically matched to that of the track being played on the other deck and their beats are synchronized.

- Make a transition from one track to the other (please see section 5.7. Switching from one track to another).

If you decide to switch off beat-matching on this deck, press the **Sync** button again. The **Sync** button goes dim, indicating that beat-matching is now switched off.

5.5. Creating cue points

Finished synchronizing the tempos of your tracks? Great – but depending on the tracks you are using, you may wish to start up playback at a specific point and not simply at the beginning.

This is possible by inserting cue points into your tracks. A cue point allows you to locate the start of an interesting rhythmic section and launch playback of a track at that section. VirtualDJ allows you to set 1 cue point per track using your DJ Control MP3 e2

To set a cue point:



- When you get to the rhythmic section you are looking for, press Play/Pause.
- Press CUE to set this position as cue point 1.

A marker is inserted in the track's timeline.

To go to a cue point when playing a track for the audience:



- Press Play/Pause to launch playback of the track from the cue point you have set.

5.6. Creating loops

Using the same marker principle, you can also create loops, which are sections of a track repeated to infinity.



Loops are controlled using the **1, 2, 3** and **4** buttons in the **Loops/Fx** section of your DJ Control MP3 e2 which generate loops based on 1, 2, 4 and 8 measures, respectively. Therefore, button **1** generates a short loop, while button **4** generates a longer loop.

- Make sure that the Shift button in your DJ Control MP3 e2's Loops/Fx section is not lit up (if it is lit up, press
 the Shift button to turn it off).
- During playback of the track, when you get to a rhythmic section where you want to create a loop, press button 1, 2, 3 or 4 (depending on how long you want the loop to be).

The rhythmic section is repeated to infinity.

- Press button 1, 2, 3 or 4 again to resume normal playback of the track.

5.7. Switching from one track to another

The art of mixing consists of preparing the next track while a given track is being played. When the track being played reaches its end, the DJ switches from one track to the other progressively using the cross fader, which regulates the volume of the two decks. This technique enables you to avoid empty space between two tracks.

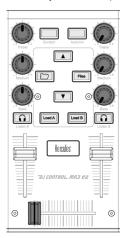
Your DJ Control MP3 e2 allows you to work with digital audio files stored on your computer. This section will give you some practical examples of how you can switch from one musical track to another using the VirtualDJ software if you are using headphone monitoring.

Example: An MP3 file is being played on deck A (the left-hand deck). You can change the EQ of the track using the **Treble**, **Medium** and **Bass** knobs, so these knobs on deck A have been adjusted for the perfect sound mix with the track that is playing. The cross fader is pushed completely to the left, so only what is being played on deck A will be heard by the audience.

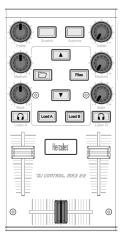
While the track on deck A is playing for the audience, press the headphone monitoring button on deck B (the right-hand deck) so that you can hear the track you will be preparing on deck B on your headphones while the audience continues to listen to the track being played on deck A over the speakers in the room (assuming you have a multi-channel sound card that has been configured for use with headphones in VirtualDJ, as described in chapter 5.3 Monitoring with headphones). The headphone monitoring button on deck B lights up, indicating that deck B is being monitored on your headphones.

- Step 1: While the track on deck A is playing, mute the EQ controls (Treble, Medium and Bass knobs) on deck B.
- Step 2: As the track on deck A is nearing its end, start up playback on deck B and start moving the cross fader towards the center.
- Step 3: While the tracks on both decks are playing, restore the EQ controls (Treble, Medium and Bass knobs) on deck B.
- Step 4: Mute the EQ controls (Treble, Medium and Bass knobs) on deck A.
- Step 5: Move the cross fader all the way to the right, to deck B.
- Step 6: Restore the EQ controls (Treble, Medium and Bass knobs) on deck A, so that you can prepare the next track to be played on deck A on your headphones; and so on.

The following diagrams give you an idea of how the Treble, Medium and Bass knobs and cross fader are adjusted for the procedure described above.



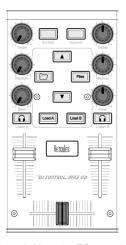
<u>Step 1:</u> Mute the EQ controls (Treble, Medium and Bass knobs) on deck B.

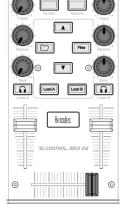


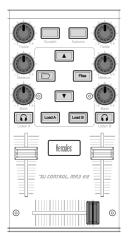
<u>Step 2:</u> Move the cross fader to the center.



<u>Step 3:</u> Restore the EQ controls (**Treble**, **Medium** and **Bass** knobs) on deck B.







<u>Step 4:</u> Mute the EQ controls (Treble, Medium and Bass knobs) on deck A.

<u>Step 5:</u> Move the cross fader all the way to deck B.

<u>Step 6:</u> Restore the EQ controls (**Treble**, **Medium** and **Bass** knobs) on deck A.

Should you notice a slight discrepancy in the tempos of the two tracks, use the **Pitch bend - / +** buttons. These buttons slow down or speed up playback; playback returns to the normal speed when the button is released.

Simply repeat this procedure when you are getting ready to play your next track on deck A again. In no time at all, you'll be mixing like a pro!

The VirtualDJ software also features an automatic mixing function, which ensures the adjustment of BPM between tracks and the switch from one deck to the other. This allows you to take a well-deserved break during your mix without having to cut off the music and spoil the mood in the room!

- Move the mouse pointer onto the **PLAYLIST** icon in the lower right-hand part of the screen.

The playlist appears.

Click in the playlist window.

The automatic mixing function is enabled, and tracks will link up one after the other. To return to manual mixing, click ② again.

5.8. Adding effects to a track

If you want to call attention to a new track during your mix or prepare your audience for a microphone address, you can add effects to tracks you are playing.

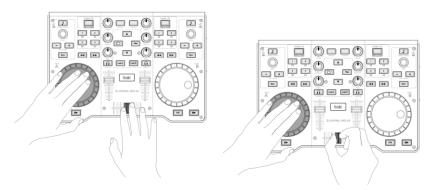
- Make sure that the **Shift** button in your DJ Control MP3 e2's **Loops/Fx** section is lit up (if it is not lit up, press the **Shift** button to turn it on).
- Press button 1, 2, 3 or 4 to add the corresponding effects in VirtualDJ.

Note: in VirtualDJ, other effects can be set for buttons 1, 2, 3 and 4 by clicking

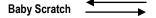
5.9. Scratching

DJ Control MP3 e2 allows you to scratch your MP3s and CDs in the same way that a DJ scratches vinyl records. To do this you will use the DJ Control MP3 e2's jog wheels, together with the cross fader to boost/interrupt the sound.

For the best results when using your DJ Control MP3 e2, try to position your hands as shown below:



There are many scratch effects, the most well-known of which are described below:

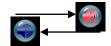


No need to use the volume control for this basic scratch. It consists of doing a forward scratch, immediately followed by a backward scratch.



The Tear Scratch doesn't use the volume control either. As with the Baby Scratch, you do a forward scratch followed by a backward scratch, but this backward scratch is broken down into two different speeds: you must first scratch quickly, and then slowly. Thus, the different steps are as follows: forward scratch, quick backward scratch, slow backward scratch.

Forward Scratch



You must do a forward scratch and then quickly lower the volume to its minimum setting before doing a backward scratch to return to the initial position and restore the volume. Only the forward scratch will be audible.

Backward Scratch



The reverse of the Forward Scratch: you must do a backward scratch and then quickly lower the volume to its minimum setting just before doing the forward scratch, and then restore the volume.

Pass-Pass

The Pass-Pass is not a scratch technique, strictly speaking, since it uses the scratch as well as other elements (pitch, cross fader, etc.) to create new effects. To carry out this technique you must play the same piece on both decks, and then it's up to you to make use of the DJ Control MP3 e2's functions to create new rhythmic combinations by alternating your manipulations on each deck. A perfect mastery of the cross fader and of the basic scratch techniques is required, as well as a good sense of rhythm and excellent familiarity with the piece.

6. CONFIGURATION IN MIDI MODE

Your DJ Control MP3 e2 can function as a MIDI controller: the buttons, knobs, faders and jog wheels can send MIDI signals that will then be interpreted by MIDI-capable software. In software that accepts MIDI commands, you must select your DJ Control MP3 e2 as the MIDI controller.

3 signal types can be sent: simple instructions (pressed or released status) for the buttons, range of values (from 0 to 127, depending on the position) for the 6 Treble/Medium/Bass knobs and the 3 faders, and variable speed modifiers (the value varying according to the rotation speed) for the 2 pitch knobs and the 2 jog wheels.

Many music software applications that incorporate MIDI control feature a "learning mode": simply click a button, turn a knob or jog wheel or move a slider on your DJ Control MP3 e2 to link that control to a control in the software. Some popular applications to include a MIDI learning mode include: Native Instruments Traktor, Ableton Live, Mixvibes, and Image Line Deckadance.

MIDI input

Control	Midi Control Type	Midi Command (decimal)	Command Type	Midi Values (decimal)
K1_DA	Note On/Note Off	1	Button-Toggling Output	"127" : Pressed – "0" : Released
K2_DA	Note On/Note Off	2	Button-Toggling Output	"127" : Pressed – "0" : Released
K3_DA	Note On/Note Off	3	Button-Toggling Output	"127" : Pressed – "0" : Released
K4_DA	Note On/Note Off	4	Button-Toggling Output	"127" : Pressed – "0" : Released
SHIFTED_K1_DA	Note On/Note Off	5	Button-Toggling Output	"127" : Pressed – "0" : Released
SHIFTED_K2_DA	Note On/Note Off	6	Button-Toggling Output	"127" : Pressed – "0" : Released
SHIFTED_K3_DA	Note On/Note Off	7	Button-Toggling Output	"127" : Pressed – "0" : Released
SHIFTED_K4_DA	Note On/Note Off	8	Button-Toggling Output	"127" : Pressed – "0" : Released
Shift_DA	Note On/Note Off	9	Button-Toggling Output	"127" : Pressed – "0" : Released
PBM_DA	Note On/Note Off	10	Button-Toggling Output	"127" : Pressed – "0" : Released

DJ CONTROL MP

PBP_DA	Note Off	On/Note	11	Button-Toggling Output	"127" : Pressed – "0" : Released
Prev_DA	Note Off	On/Note	12	Button-Toggling Output	"127" : Pressed – "0" : Released
Next_DA	Note Off	On/Note	13	Button-Toggling Output	"127" : Pressed – "0" : Released
Cue_DA	Note Off	On/Note	14	Button-Toggling Output	"127" : Pressed – "0" : Released
Play_DA	Note Off	On/Note	15	Button-Toggling Output	"127" : Pressed – "0" : Released
Listen_DA	Note Off	On/Note	16	Button-Toggling Output	"127" : Pressed – "0" : Released
Load_DA	Note Off	On/Note	17	Button-Toggling Output	"127" : Pressed – "0" : Released
Sync_DA	Note Off	On/Note	18	Button-Toggling Output	"127" : Pressed – "0" : Released
MTempo_DA	Note Off	On/Note	19	Button-Toggling Output	"127" : Pressed – "0" : Released
Shift_State_DA	Note Off	On/Note	20	Button-Toggling Output	"127" : Pressed – "0" : Released
K1_DB	Note Off	On/Note	21	Button-Toggling Output	"127" : Pressed – "0" : Released
K2_DB	Note Off	On/Note	22	Button-Toggling Output	"127" : Pressed – "0" : Released
K3_DB	Note Off	On/Note	23	Button-Toggling Output	"127" : Pressed – "0" : Released
K4_DB	Note Off	On/Note	24	Button-Toggling Output	"127" : Pressed – "0" : Released
SHIFTED_K1_DB	Note Off	On/Note	25	Button-Toggling Output	"127" : Pressed – "0" : Released
SHIFTED_K2_DB	Note Off	On/Note	26	Button-Toggling Output	"127" : Pressed – "0" : Released
SHIFTED_K3_DB	Note Off	On/Note	27	Button-Toggling Output	"127" : Pressed – "0" : Released
SHIFTED_K4_DB	Note Off	On/Note	28	Button-Toggling Output	"127" : Pressed – "0" : Released
Shift_DB	Note Off	On/Note	29	Button-Toggling Output	"127" : Pressed – "0" : Released
PBM_DB	Note	On/Note	30	Button-Toggling	"127": Pressed – "0"

	Off		Output	: Released
PBP_DB	Note On/Note Off	31	Button-Toggling Output	"127" : Pressed – "0" : Released
Prev_DB	Note On/Note Off	32	Button-Toggling Output	"127" : Pressed – "0" : Released
Next_DB	Note On/Note Off	33	Button-Toggling Output	"127" : Pressed – "0" : Released
Cue_DB	Note On/Note Off	34	Button-Toggling Output	"127" : Pressed – "0" : Released
Play_DB	Note On/Note Off	35	Button-Toggling Output	"127" : Pressed – "0" : Released
Listen_DB	Note On/Note Off	36	Button-Toggling Output	"127" : Pressed – "0" : Released
Load_DB	Note On/Note Off	37	Button-Toggling Output	"127" : Pressed – "0" : Released
Sync_DB	Note On/Note Off	38	Button-Toggling Output	"127" : Pressed – "0" : Released
MTempo_DB	Note On/Note Off	39	Button-Toggling Output	"127" : Pressed – "0" : Released
Shift_State_DB	Note On/Note Off	40	Button-Toggling Output	"127" : Pressed – "0" : Released
Menu_U	Note On/Note Off	41	Button-Toggling Output	"127" : Pressed – "0" : Released
Menu_D	Note On/Note Off	42	Button-Toggling Output	"127" : Pressed – "0" : Released
Files	Note On/Note Off	43	Button-Toggling Output	"127" : Pressed – "0" : Released
Folders	Note On/Note Off	44	Button-Toggling Output	"127" : Pressed – "0" : Released
Scratch	Note On/Note Off	45	Button-Toggling Output	"127" : Pressed – "0" : Released
Automix	Note On/Note Off	46	Button-Toggling Output	"127" : Pressed – "0" : Released
JOG_DA	Control Change	48	Incremental – Coarse (128 values)	127 > 64 : CCW Slow > Fast 1 > 63 : CW Slow > Fast
JOG_DB	Control Change	49	Incremental – Coarse (128	127 > 64 : CCW

			values)	Slow > Fast
				1 > 63 : CW
				Slow > Fast
PITCH_DA	Control Change	50	Incremental – Coarse (128	127 > 64 : CCW Slow > Fast
			values)	1 > 63 : CW
				Slow > Fast
PITCH_DB	Control Change	51	Incremental –	127 > 64 : CCW
			Coarse (128 values)	Slow > Fast
			value3)	1 > 63 : CW
				Slow > Fast
VOL_DA	Control Change	52	Analog – Coarse (128 values)	0 > 127 : Full Down > Full Up
TREBLE_DA	Control Change	53	Analog – Coarse (128 values)	0 > 127 : Full CW : Full CCW
MEDIUM_DA	Control Change	54	Analog – Coarse (128 values)	0 > 127 : Full CW : Full CCW
BASS_DA	Control Change	55	Analog – Coarse (128 values)	0 > 127 : Full CW : Full CCW
XFADER	Control Change	56	Analog – Coarse (128 values)	0 > 127 : Full Left > Full Right
VOL_DB	Control Change	57	Analog – Coarse (128 values)	0 > 127 : Full Down > Full Up
TREBLE_DB	Control Change	58	Analog – Coarse (128 values)	0 > 127 : Full CW : Full CCW
MEDIUM_DB	Control Change	59	Analog – Coarse (128 values)	0 > 127 : Full CW : Full CCW
BASS_DB	Control Change	60	Analog – Coarse (128 values)	0 > 127 : Full CW : Full CCW

MIDI output

Control	Midi Control Type	Midi Command (decimal)	Command Type	Midi Values (decimal)
K1_DA	Note On/Not Off	e 1	LED Toggling Input	0 : OFF – 127: ON
K2_DA	Note On/Not Off	e 2	LED Toggling Input	0 : OFF – 127: ON
K3_DA	Note On/Not Off	e 3	LED Toggling Input	0 : OFF – 127: ON
K4_DA	Note On/Not Off	e 4	LED Toggling Input	0 : OFF – 127: ON
SHIFTED_K1_DA	Note On/Not Off	e 5	LED Toggling Input	0 : OFF – 127: ON
SHIFTED_K2_DA	Note On/Not Off	e 6	LED Toggling Input	0 : OFF – 127: ON
SHIFTED_K3_DA	Note On/Not Off	e 7	LED Toggling Input	0 : OFF – 127: ON
SHIFTED_K4_DA	Note On/Not Off	e 8	LED Toggling Input	0 : OFF – 127: ON
PBM_DA	Note On/Not Off	e 10	LED Toggling Input	0 : OFF – 127: ON
PBP_DA	Note On/Not Off	e 11	LED Toggling Input	0 : OFF – 127: ON
Cue_DA	Note On/Not Off	e 14	LED Toggling Input	0 : OFF – 127: ON
Play_DA	Note On/Not Off	e 15	LED Toggling Input	0 : OFF – 127: ON
Listen_DA	Note On/Not Off	e 16	LED Toggling Input	0 : OFF – 127: ON
Sync_DA	Note On/Not Off	e 18	LED Toggling Input	0 : OFF – 127: ON
MTempo_DA	Note On/Not Off	e 19	LED Toggling Input	0 : OFF – 127: ON
K1_DB	Note On/Not Off	e 21	LED Toggling Input	0 : OFF – 127: ON
K2_DB	Note On/Not Off	e 22	LED Toggling Input	0 : OFF – 127: ON

K3_DB	Note Off	On/Note	23	LED Input	Toggling	0 : OFF – 127: ON
K4_DB	Note Off	On/Note	24	LED Input	Toggling	0 : OFF – 127: ON
SHIFTED_K1_DB	Note Off	On/Note	25	LED Input	Toggling	0 : OFF – 127: ON
SHIFTED_K2_DB	Note Off	On/Note	26	LED Input	Toggling	0 : OFF – 127: ON
SHIFTED_K3_DB	Note Off	On/Note	27	LED Input	Toggling	0 : OFF – 127: ON
SHIFTED_K4_DB	Note Off	On/Note	28	LED Input	Toggling	0 : OFF – 127: ON
PBM_DB	Note Off	On/Note	30	LED Input	Toggling	0 : OFF – 127: ON
PBP_DB	Note Off	On/Note	31	LED Input	Toggling	0 : OFF – 127: ON
Cue_DB	Note Off	On/Note	34	LED Input	Toggling	0 : OFF – 127: ON
Play_DB	Note Off	On/Note	35	LED Input	Toggling	0 : OFF – 127: ON
Listen_DB	Note Off	On/Note	36	LED Input	Toggling	0 : OFF – 127: ON
Sync_DB	Note Off	On/Note	38	LED Input	Toggling	0 : OFF – 127: ON
MTempo_DB	Note Off	On/Note	39	LED Input	Toggling	0 : OFF – 127: ON
Files	Note Off	On/Note	43	LED Input	Toggling	0 : OFF – 127: ON
Folders	Note Off	On/Note	44	LED Input	Toggling	0 : OFF – 127: ON
Scratch	Note Off	On/Note	45	LED Input	Toggling	0 : OFF – 127: ON
Automix	Note Off	On/Note	46	LED Input	Toggling	0 : OFF – 127: ON
Blink_K1_DA	Note Off	On/Note	49	LED Input	Toggling	0 : OFF – 127: ON
Blink_K2_DA	Note Off	On/Note	50	LED Input	Toggling	0 : OFF – 127: ON
Blink_K3_DA	Note	On/Note	51	LED	Toggling	0 : OFF – 127: ON

	Off			Input		
Blink_K4_DA	Note Off	On/Note	52	LED Input	Toggling	0 : OFF – 127: ON
Blink_SHIFTED_K1_DA	Note Off	On/Note	53	LED Input	Toggling	0 : OFF – 127: ON
Blink_SHIFTED_K2_DA	Note Off	On/Note	54	LED Input	Toggling	0 : OFF – 127: ON
Blink_SHIFTED_K3_DA	Note Off	On/Note	55	LED Input	Toggling	0 : OFF – 127: ON
Blink_SHIFTED_K4_DA	Note Off	On/Note	56	LED Input	Toggling	0 : OFF – 127: ON
Blink_PBM_DA	Note Off	On/Note	58	LED Input	Toggling	0 : OFF – 127: ON
Blink_PBP_DA	Note Off	On/Note	59	LED Input	Toggling	0 : OFF – 127: ON
Blink_Cue_DA	Note Off	On/Note	62	LED Input	Toggling	0 : OFF – 127: ON
Blink_Play_DA	Note Off	On/Note	63	LED Input	Toggling	0 : OFF – 127: ON
Blink_Listen_DA	Note Off	On/Note	64	LED Input	Toggling	0 : OFF – 127: ON
Blink_Sync_DA	Note Off	On/Note	66	LED Input	Toggling	0 : OFF – 127: ON
Blink_MTempo_DA	Note Off	On/Note	67	LED Input	Toggling	0 : OFF – 127: ON
Blink_K1_DB	Note Off	On/Note	69	LED Input	Toggling	0 : OFF – 127: ON
Blink_K2_DB	Note Off	On/Note	70	LED Input	Toggling	0 : OFF – 127: ON
Blink_K3_DB	Note Off	On/Note	71	LED Input	Toggling	0 : OFF – 127: ON
Blink_K4_DB	Note Off	On/Note	72	LED Input	Toggling	0 : OFF – 127: ON
Blink_SHIFTED_K1_DB	Note Off	On/Note	73	LED Input	Toggling	0 : OFF – 127: ON
Blink_SHIFTED_K2_DB	Note Off	On/Note	74	LED Input	Toggling	0 : OFF – 127: ON
Blink_SHIFTED_K3_DB	Note Off	On/Note	75	LED Input	Toggling	0 : OFF – 127: ON

Blink_SHIFTED_K4_DB	Note Off	On/Note	76	LED Input	Toggling	0 : OFF – 127: ON
Blink_PBM_DB	Note Off	On/Note	78	LED Input	Toggling	0 : OFF – 127: ON
Blink_PBP_DB	Note Off	On/Note	79	LED Input	Toggling	0 : OFF – 127: ON
Blink_Cue_DB	Note Off	On/Note	82	LED Input	Toggling	0 : OFF – 127: ON
Blink_Play_DB	Note Off	On/Note	83	LED Input	Toggling	0 : OFF – 127: ON
Blink_Listen_DB	Note Off	On/Note	84	LED Input	Toggling	0 : OFF – 127: ON
Blink_Sync_DB	Note Off	On/Note	86	LED Input	Toggling	0 : OFF – 127: ON
Blink_MTempo_DB	Note Off	On/Note	87	LED Input	Toggling	0 : OFF – 127: ON
Blink_Files	Note Off	On/Note	91	LED Input	Toggling	0 : OFF – 127: ON
Blink_Folders	Note Off	On/Note	92	LED Input	Toggling	0 : OFF – 127: ON
Blink_Scratch	Note Off	On/Note	93	LED Input	Toggling	0 : OFF – 127: ON
Blink_Automix	Note Off	On/Note	94	LED Input	Toggling	0 : OFF – 127: ON
Update_All_Controls	Contro	ol Change	127	Contro	I Input	0 : OFF – 127: ON

7. FAQ

1. Can I use DJ Control MP3 e2 with DJ software other than the bundle included in the package?

Yes: since your DJ Control MP3 e2 functions as a MIDI controller and can send MIDI commands, it can be used with any software that accepts MIDI commands. Please see section 6. Configuration in MIDI mode.

2. Can I use DJ Control MP3 e2 without a computer?

No, DJ Control MP3 e2 cannot function at all without being connected to a computer.

3. Can I mix directly from audio CDs in the DJ mixing software?

Yes, you can mix audio CDs directly from your CD/DVD-ROM drive in VirtualDJ. Simply load the CD-Audio track in your playlist on a DJ Control MP3 e2 deck, as if it were an audio file, and you can mix it immediately.

4. Will DJ Control MP3 e2 function when connected to a USB hub?

Yes, as long as the USB hub's power supply is connected.

5. Can I save the DJ mixes I create with DJ Control MP3 e2 in an audio file?

Yes, you can save your mix by clicking the **REC** button in VirtualDJ.

6. Why doesn't DJ Control MP3 e2 have a standard 1U rack format?

DJ Control MP3 e2 has been designed for the consumer market, and most home users do not have access to a 1U rack.

8. TECHNICAL SUPPORT

If you encounter a problem with your product, please go to http://ts.hercules.com and select your language. From there you will be able to access various utilities (Frequently Asked Questions (FAQ), the latest versions of drivers and software) that may help to resolve your problem. If the problem persists, you can contact the Hercules products technical support service ("Technical Support"):

By email:

In order to take advantage of technical support by email, you must first register online. The information you provide will help the agents to resolve your problem more quickly.

Click **Registration** on the left-hand side of the Technical Support page and follow the on-screen instructions.

If you have already registered, fill in the **Username** and **Password** fields and then click **Login**.

By telephone:

<u> </u>		
United States	1-866-889-5036 Free	Monday to Friday from 7am to 11am and from Noon to 5pm (Eastern Standard Time)
Canada	1-866-889-2181 Free	Monday to Friday from 7am to 11am and from Noon to 5pm (Eastern Standard Time)
United Kingdom	08450800942 Charges at local rate	Monday to Friday from Noon to 4pm and 5pm to 10pm
Denmark	80887690 Free	Monday to Friday from 1pm to 5pm and 6pm to 11pm (<i>English</i>)
Sweden	0200884567 Free	Monday to Friday from 1pm to 5pm and 6pm to 11pm (English)
Finland	0800 913060 Free	Monday to Friday from 2pm to 6pm and 7pm to Midnight (English)

8.1. Warranty information

Worldwide, Guillemot Corporation S.A. ("Guillemot") warrants to the consumer that this Hercules product will be free from material defects and manufacturing flaws for a period of two (2) years from the original date of purchase. Should the product appear to be defective during the warranty period, immediately contact Technical Support, who will indicate the procedure to follow. If the defect is confirmed, the product must be returned to its place of purchase (or any other location indicated by Technical Support).

Within the context of this warranty, the consumer's defective product will, at Technical Support's option, be either repaired or replaced. Where authorized by applicable law, the full liability of Guillemot and its subsidiaries (including for indirect damages) is limited to the repair or replacement of the Hercules product. The consumer's legal rights with respect to legislation applicable to the sale of consumer goods are not affected by this warranty.

This warranty shall not apply: (1) if the product has been modified, opened, altered, or has suffered damage as a result of inappropriate or abusive use, negligence, an accident, normal wear, or any other cause not related to a material defect or manufacturing flaw; (2) in the event of failure to comply with the instructions provided by Technical Support; (3) to software not published by Guillemot, said software being subject to a specific warranty provided by its publisher.

8.2. Additional warranty provisions

In the United States of America and in Canada, this warranty is limited to the product's internal mechanism and external housing. Any applicable implied warranties, including warranties of merchantability and fitness for a particular purpose, are hereby limited to two (2) years from the date of purchase and are subject to the conditions set forth in this limited warranty. In no event shall Guillemot Corporation S.A. or its affiliates be liable for consequential or incidental damage resulting from the breach of any express or implied warranties. Some States/Provinces do not allow limitation on how long an implied warranty lasts or exclusion or limitation of incidental/consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other legal rights which vary from State to State or Province to Province.

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Declaration of conformity

EC COMPLIANCE NOTICE: this equipment has been tested and found to comply with the limits of the Council Directive 89/336/EEC of 3 May 1989 on the approximation of the laws of the Member States relating to electromagnetic compatibility, amended by Directive 93/68/EEC. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

CANADIAN COMPLIANCE NOTICE: this Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Electrostatic Discharge

In the event of electrostatic discharge on the contactors or fasteners, you may be required to reset the device.

USA COMPLIANCE NOTICE: this equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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ENVIRONMENTAL PROTECTION RECOMMENDATION



At the end of its working life, this product should not be disposed of with standard household waste, but rather dropped off at a collection point for the disposal of Waste Electrical and Electronic Equipment (WEEE) for recycling.

This is confirmed by the symbol found on the product, user manual or packaging.

Depending on their characteristics, the materials may be recycled. Through recycling and other forms of processing Waste Electrical and Electronic Equipment, you can make a significant contribution towards helping to protect the environment.

Please contact your local authorities for information on the collection point nearest you.