DIGITECH Audio

AM4252

PROFESSIONAL DJ CONTROLLER

USER'S MANUAL

CE

TABLE OF CONTENTS

WARNINGSAFTEY INSTRUCTIONS

1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.

6. Clean only with a dry cloth.

7. Do not block any ventilation openings.install in accordance with man-ufacturer's instructions.

8. Do not install near any heat sources such as radiators,registers,stoves, or other apparatus(including amplifiers)that produce heat.

9. Only use attachments and accessories specified by the manufacturer.

10. Use only with the cart, stand,tripod,bracket,or table specified by the manufacturer,or sold with the apparatus.when a cart is used,use caution when moving the cart/apparatus combination to avoid injury from tip-over..

11. Unplug this apparatus during lightning storms or when unused for long periods of time.

12. Refer all servicing to qualified service personnel.Servicing is required when the apparatus has been spilled or objects have fallen into the apparatus,the apparatus has been exposed to rain or moisture,does not operate normally,or has been dropped.

13. If rack-mounting,provide adequate ventilation.Equipment may be located above or below this apparatus,but some equipment(like large power amplifiers) may cause na unacceptable amount of hum or may generate too much heat and degrade the performance of this apparatus.

WARNING: To reduce the risk of fire or electric shock,do not expose this apparatus to rain or moisture.Apparatus shall not be exposed to drip-ping or splashing and no object filled with liquids,such as vases,shall be placed on the apparatus.

SETTING UP

UNPACKING.

Your package should include:
- This printed Manual.
- AM4252
- USB Cable
- Installation CD.

SYSTEM REQUIREMENTS.

The minimum system requirements are:

MAC

- G4 1.5GHz processor or better.
- 1 GB RAM.
- OSX 10.4.11 or higher.
- Avaikabke USB port.
- Hard disk space for music.

WINDOWS XP

- Pentium 4 mobile 2 GHz processor or better.
- 1 GB RAM.
- Service Pack 2 or higher
- Avaikabke USB port.
- Hard disk space for music.

WINDOWS VISTA

- Core Duo 1.6 GHz processor or better.
- 1 GB RAM.
- Service Pack 2 or higher
- Avaikabke USB port.
- Hard disk space for music.

POWER SOURCE

Power supply:~100-240V,60/50Hz.
Optional DC adapter voltage:5V DC 1000mA.

SOFTWARE INSTALLATION.

Free updates to the VIRTUAL DJ software are available from http://www.virtualdj.com.

INSTALL AND OPERATION

(1) Windows XP

1.Set the power select switch on the rear panel to DC IN when using the DC adaptor.
Set to USB PORT if using USB connection to provide power from your computer.

NOTE: 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.

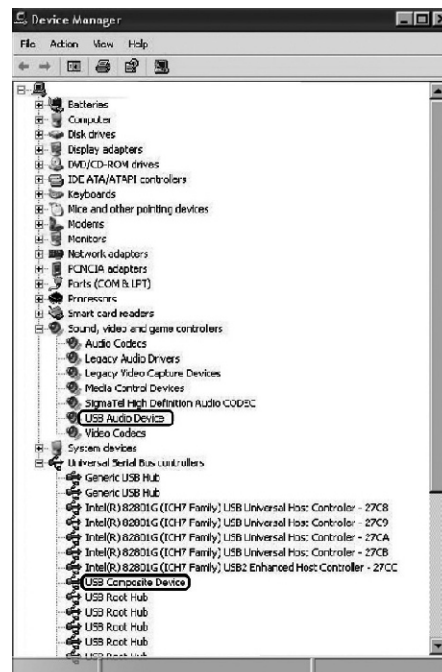2.Connect the AM4252 to the computer via USB.
The power LED, Jog wheel, control switch LED will light up.
A window will pop up and say a new device has been detected and drivers for AM4252, USB combined device and USB audio device will be installed automatically. (The message may not pop up if the driver is installed or if it's not the first time to be connected.)

3.To check connection status in Windows XP, view [control panel] > [system] > [hardware] > [device manager] > inside USB controller find [USB combined device]
> inside sound, video and game controller find [USB Audio device] .
If both are displayed and the status is "This device is installed normally", the AM4252 and computer is connected normally.

3. Operations

1) Check if the software is installed to the computer and OS normally, and is fully functional.

2) Check if the AM4252 and computer is connected normally.

3) Check that the software is set to operate with the AM4252. Open the software's control panel and check that the software is set to receive MIDI data from the AM4252.

4) Check that the AM4252 and computer is connected and then start up the software to perform settings with the AM4252. The software may not recognize the AM4252 if it is connected to the computer after the software has started.

5) Operations after the system recovering from power saving mode is not guaranteed. Power save settings are required to be set OFF.
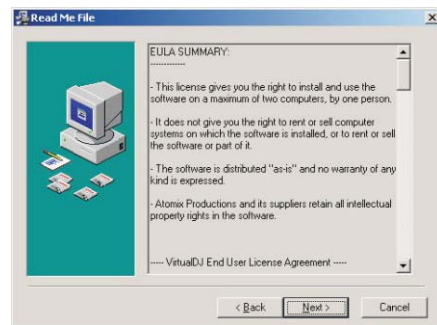
FROM CD.

Insert the virtualDJ Installation CD-ROM into your system.The installation should start automatically.if not,browse the CD-ROM and double click on the file"install_virtualdj_v6.exe"

Follow the steps below to continue installation......

A.Allow the installation to run

B.Select language....Next

C.Welcome screen....Next

D.End user License Agreement–
Please read thoroughly...then next to agree with the terms and conditions of the license

E.Application Path....next

F.Finish Installation....Finish

SETTING UP(MAC)

FROM CD.

Insert the virtualDJ Installation CD-ROM into your system.The installation should start automatically.if not,browse the CD-ROM and double click on the file install_virtual-dj_v6.exe"

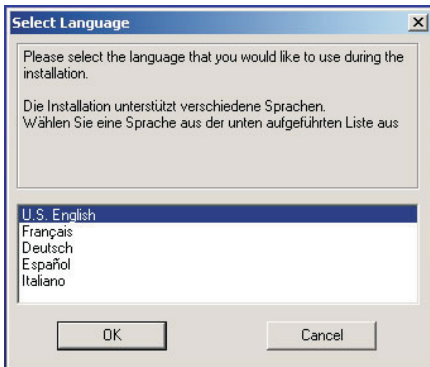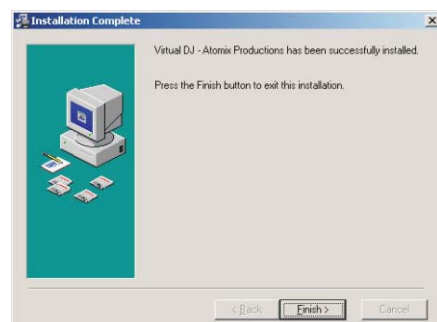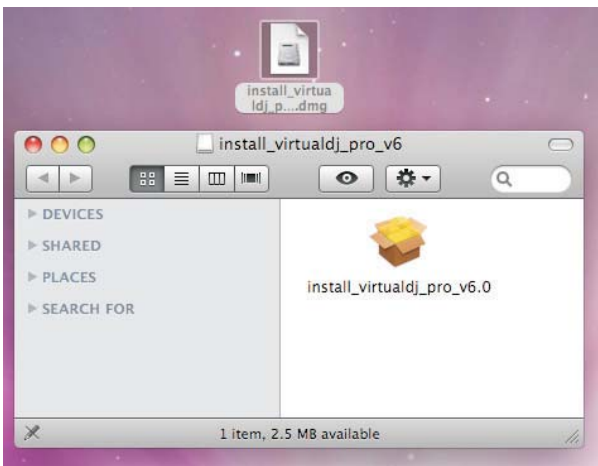## Follow the steps below to continue installation......

A.Dialog will open with the virtualdj install package displayed.double click on the install package.

Follow the steps below to continue installation.....

A.Click continue to begin the installation

B.Click Continue after reading the License agreement
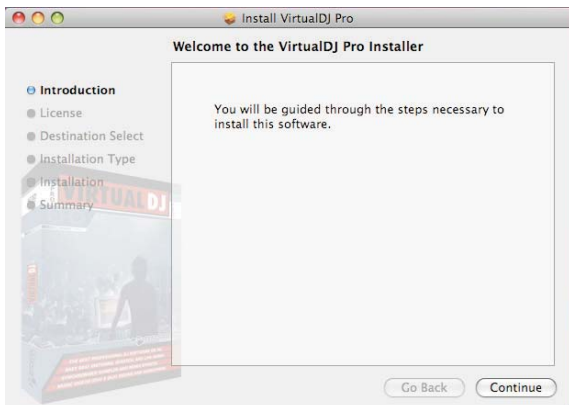
C.Click"Agree" to accept the license agreement.
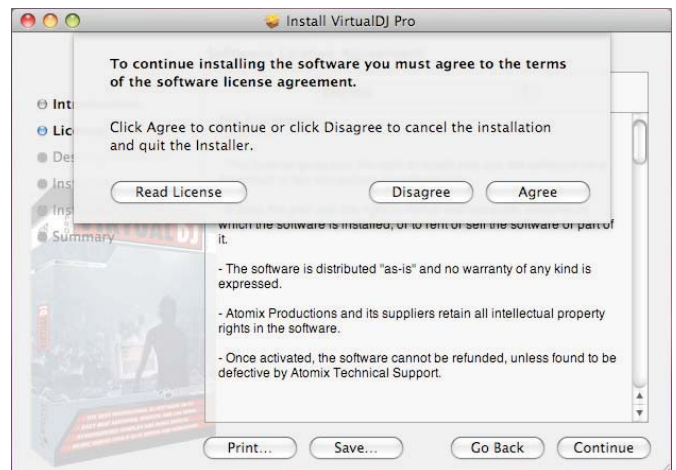
SETTING UP(MAC)

D.Click install to perform the installation.

E.Enter you system's password for installing applications.

F.Files will now copy onto your system.

G.Click close to finish the installation.

G.Now your software is installed and your should find an icon in your applications folder for opening virtualDJ.
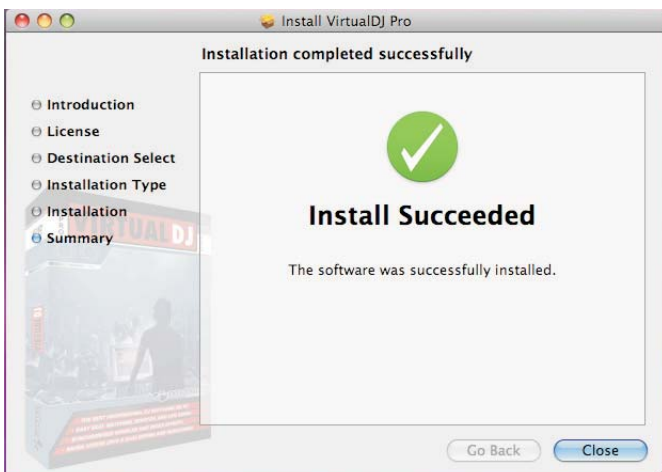
Opening virtualDJ for the first time……

A.double click on the virtualDJ icon on the desk-top.

B.Enter the serial number you received with your purchase…OK.

PC   MAC

C.VirtualDJ will then check for a new version(this can be disabled in the configuration section).
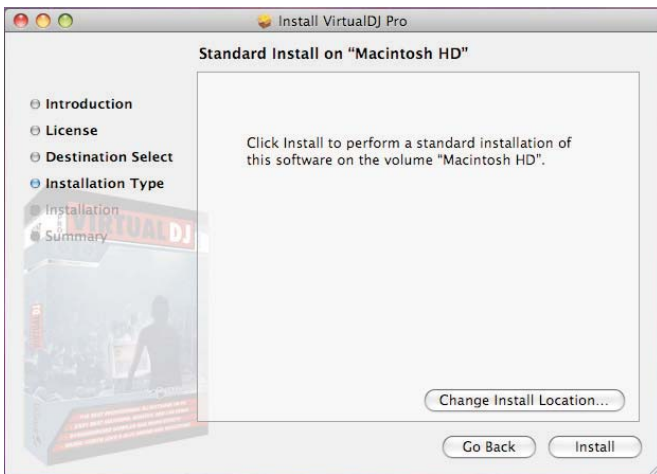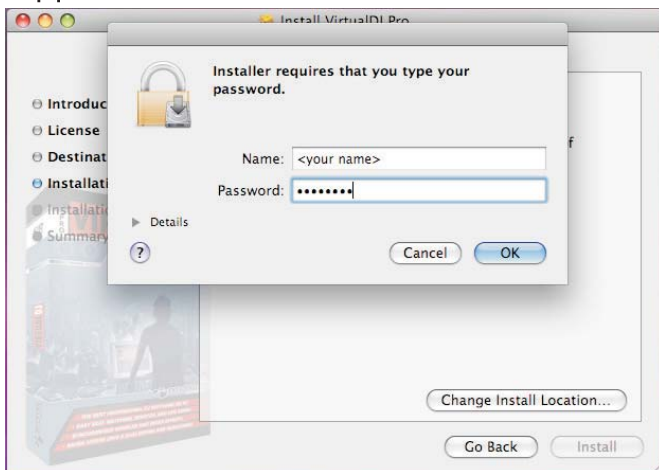

D.VirtualDJ splash screen…showing the initialization of the software's components.

E.VirtualDJ user interface(skin).

E. The first tab presented is the soundcard tab.here you will select your sound card and channel assignments.we will look at the basic options for using your computers internal sound card.
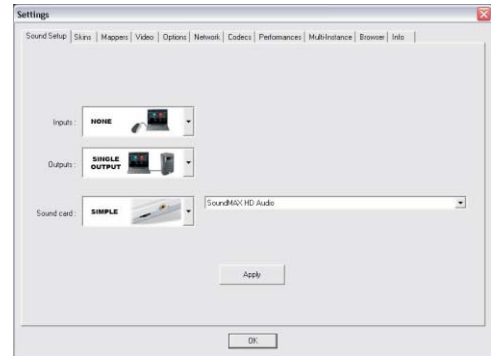
There are more than these three possible setups for a sound card and vitualDJ.
If you have a unique setup that you would like help with--please visit us at http://www.virtualdj.com/forums/

USB

AUX IN
(SOME EXAMPLES ARE)
- POWERED SPEAKERS
- AMPLIFIER
- DJ MIXER

AUX IN
(SOME EXAMPLES ARE)
- CD PLAYER
- MP3 PLAYER
- DJ MIXER
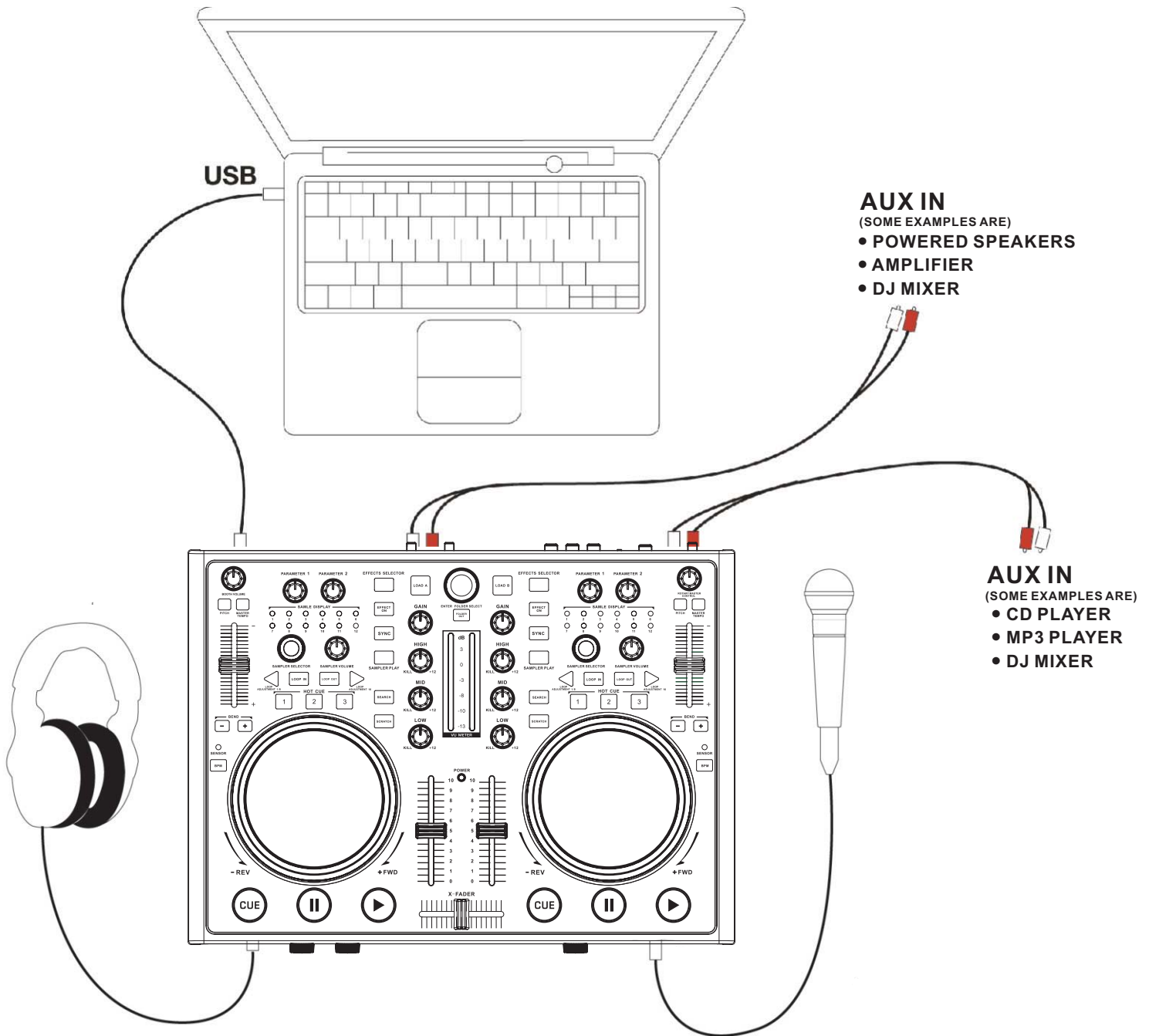
6.35mm and 3.5mm Jacks are provided for headphones on the front right of the AM4252. The volume of the headphone is controlled by the "headphone volume" knob at the front of the AM4252. It is best to turn this volume down before plugging in your headphone.

FRONT AND BACK PANEL OVERVIEW(HARDWARE)
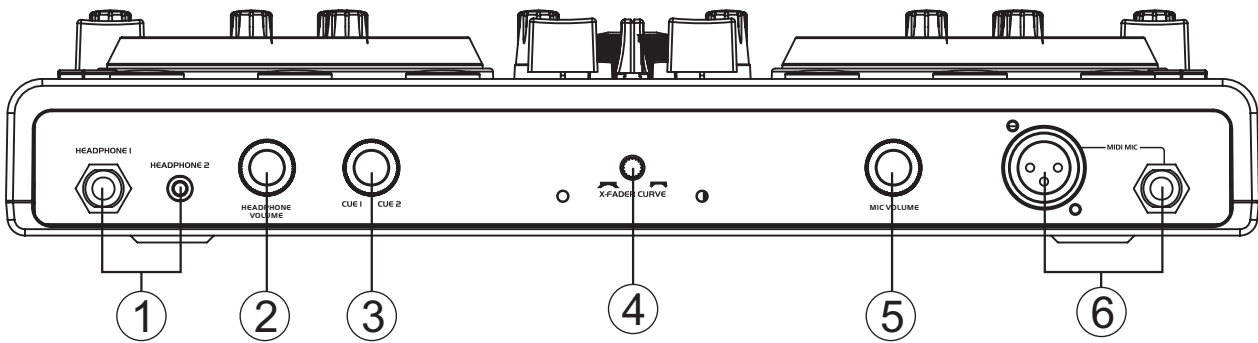
1.3.5mm and 6.35 jacks for headphone connection.

2.The volume of the headphone is controlled by the "headphone volume"knob.

3.Control the headphone output chanels.

4.C.F.curve control volume
   The cross fader curve control. The curve is gentle and suitable for long mixes when it's at the minimum,and sharp and suitable for scratching when it's at the maximum.

5.Hardware microphone input gain control before sending to software.

6.Microphone input socket.
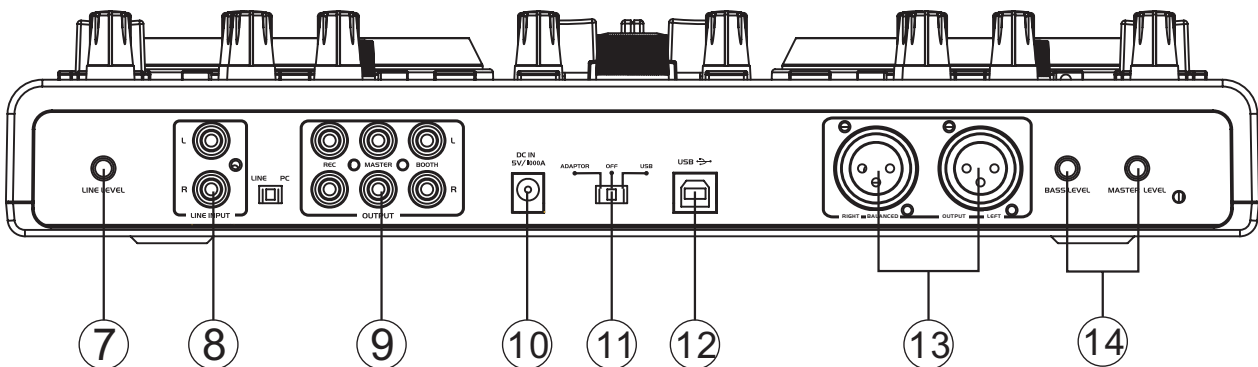
7.Hardware AUX input gain control before sending to software.

8.RCA connections for auxiliary sound source.

9.RCA MASTER REC and BOOTH output.

10.To power hardware with optional DC adapter:5V DC 1000mA.

11.Select between adapter,off,and USB power for unit.

12.For connecting the AM4252 to your computer.

13.Balanced output.

14.Adjust balanced ouput volume.

Before beginning to use VirtualDJ, familiarize yourself with the controls and "zones" of the software. Upon opening the application, an interface menu is displayed. Interfaces called "skins" feature different configurations, layouts and functionality of the software. Let's begin by selecting "Internal mixer interface" to become familiar with the most important features of the software. To change to a different skin while the software is running, click on the "Config" menu and select the "Skins" tab.

1. **BROWSER / SAMPLER / EFFECTS / RECORD**
   Browse your music folders, Create, edit and save your playlists
   Adjust effects video, and audio, Record and save mixes

2. **DECK 1 CONTROLS**
   Drag and drop music from the browser to this virtual deck.
   Track title, beats per minute display, counters, Transport Control

3. **DECK 2 CONTROLS**
   Drag and drop music from the browser to this virtual deck.
   Track title, beats per minute display, counters, Transport Control

4. **CENTER PANEL**
   Multiple panels can provide access to Crossfader, Gain, Volume PFL Controls,
   Video controls, Video preview windows, Effect controls, Timecode Scratch Interface

5. **RHYTHM WINDOW**
   This window tracks the waveform of each song loaded or playing on a deck. This area also features a Computer Beat Grid (CBG) used for visual mixing and beat-matching.

The Browser Zone is the area where to navigate and organize files stored on a local, external, or network hard disk. The browser contains the compatible file types (i.e. whose extensions are associated with the decoders in VirtualDJ) to access the compatible extensions list. Click the "Config" menu then choose the "Codecs" tab. See the "Codecs" section of the manual for further details.

The Browser zone is divided into panels.

1. **File System / Folder Structure**
2. **File / Search Results**
3. **Automix Playlist**
4. **Sidelist**

File System / Folder Structure Panel (1)

VirtualDJ provides several organizational groupings of the track collection and a few third-party interfaces by default. Also provided is the ability to create additional navigation aids. To better understand the managed groups and interfaces click the "Config" button and view the "Browser" tab.

The "Browser" tab allows the selection of the various groupings that can be viewed. Each item 'checked' will have an associate entry on the File System / Folder Structure panel (1).

Volumes – shows the File System navigation option from the My Computer structure

Desktop – shows the File System navigation option from the Desktop structure

NetSearch – NetSearch provides access to searching the Internet to try to find the song you're looking for. You can then instantly stream the song or video directly off the Internet.

Software   **Hardware**

VirtualDJs interface provides access to two virtual decks. To load a track to a deck, drag and drop files into each of the decks spinning virtual platters.

The two decks are equipped with the following controls and displays:

1. Information about track currently loaded provides key information about the currently loaded track. Artist, Title, Elapse Time, Remaining Time, Gain level, Key of Track, Current Pitch position.

2. Hot Cues –Use the three (3) buttons to set cue points. The first time that a left-click on one of these buttons, a cue point will be set. At any time left-clicking on the corresponding button and the track jumps back to that cue point. To set a new cue point for the hot cue, right-click the corresponding hot cue button. If wanting to delete a cue point, right-click on its icon in the waveform display, and select delete. Lock image show s that the Smart Cue feature is activated. When smart_cue is activated, songs are automatically re-synchronized when jumped to a new position or cue.

3. BPM   Current BPM of the track based on Pitch changes. BPM button for manually tapping-out the beats per minute of a song, you can left-click to the beat on the BPM button of the appropriate deck playing your track. Right click the button to access the Edit BPM and Automix dialog

14

4. **Waveform display for currently** - This view shows the visual waveform of the entire track, allows for viewing the remaining duration of the audio, as well as what has already been played. When highlighted in blue or red (Using the default skins), that area of the waveform indicates what has been played and the current position of the audio. The remaining grey area of the waveform shows the length of the audio remaining. Inside the waveform itself, the lighter part indicates the presence of beats whereas the darker part indicates the presence of vocals

5. **Effects**
   Effects Selection Drop-down arrow - Select which effect to apply.
   Effects Selection Drop-down window - When clicked this will apply the effect selected.
   Parameter 1 & 2 knobs - These two knobs adjust parameters of the effect selected in the drop-down window, although not all effects require or make use of these knobs.

6. **Loop Sampler**
   Sample Selection Drop-down arrow - Choose which sample to use. There are 12 slots which are available to record, load and play samples.
   Sample Selection window - When clicked this will play the sample listed in the selection window.
   VOL - Controls the level of gain applied to the loop sample.
   REC button - When initiated, this function records the loop to the sample slot selected. If no loop is currently set on this deck, a 4 bar loop will be recorded by default.
   Sampler Loop controls – used to half or double the samples length.

7. **Loop Set /Control**
   Loop In/Out - A loop is any area of a track that repeats seamlessly. Press "Loop In" at the point where the loop is to start. Press "Loop Out" when the desired point to mark the end point of the loop. The audio between the two points will begin to loop continuously. To release the loop and continue play of the track press "Loop Out" again and the audio will continue from the end point of the loop. To set a new loop, just press "Loop In" again while the loop is disengaged, and then press "Loop Out" to begin the new loop.
   Shift Knob - Adjusts the loop length by half length or double length increments.
   Smart Lock button - Allows the loop buttons to work together to create loops synchronized to BPM.
   Loop Length - This indicates the length of the loop according to beat measures. Increase or decrease the length of the loop from 1/4 to 16 measures.

8. **Touch JOG wheel(with touch sensor light)**
   High-resolution rotary pulse generator and touch sensor for control.Seach,pitch bend and scratch functions assignable

9. **Pitch slider / Pitch buttons**

    Controls the speed/pitch of the track when moving the slider. Moving it downward the speed of the music speeds up. By moving upward the speed slows down. The "Zero" button lets you smoothly bring the pitch back to 100%. Double click on it to bring it back instantly.

    The two Pitch buttons are used to temporarily change the speed of the track playing. This is useful when you want to make a quick adjustment to a track if the beat of the track is not exactly matching up with the beat of the track playing on the other deck. The speed will be affected as long as you are pressing down "+" or "-".

    KeyLock

    When enabled changing the pitch of the song does not change the tone of the track. Keylock can be enabled at any point along the pitch range to maintain the desired tone at that pitch while still being able to further adjust the pitch. When disabled tone changes based on the pitch used – slower pitch = slower deeper tone, faster pitch – faster higher (chipmunk) sounding tone.

10. **Transport**

    Cue - Returns and pauses the music at the default Cue Point. To set a Cue Point, pause the song, seek to the desired position (for example by rotating the virtual turntable), and then click on "Cue". Also, a right-click on the "Cue" button will set a Cue Point while the track is playing. Once on the Cue Point, pressing and holding down "Cue" allows for temporary play of this point. To delete a Cue Point, right-click on its icon on the Waveform display, and select "delete".

    Stutter/Play - Starts the music. Pressing "Stutter/Play" while the song is already playing, will restart the music from the last position you pressed "Play" from, creating a "stutter" effect.

    Pause - Stops the audio where it is currently playing. Subsequent clicks while stopped cycles through the beginning of the song and all the Cue Points. Right-clicking while stopped automatically goes to the first detected beat in the song.

11. **Search/Scratch**

    pressed the button to switch the function of job dial between SEARCH and SCRATCH. When the indicator LED is light,dual wheel is in SEARCH or SCRATCH mode,you may press the buttons to exit SEARCH or SCRATCH mode.

12. **Sync - When** clicking "Sync", VirtualDJ will sync the tempo of the deck to the opposite deck's tempo.

    > Press "Sync" while the song is paused; only the pitch will be adjusted.
    > Press "Sync" while the song is playing, the beats will be smoothly aligned too.
    > Right-click on "Sync", the song will align on beat while the button is pressed.

13. **EFFECT ON/OFF**

14. **BOOTH VOLUME ADJUSTMENT**

15. Pitch / tempo / JOG section (per channel)
    Pitch control, key control, pitch range selection, JOG wheel mode selection is assignable.
    45mm Fader Volume

INTERNAL MIXER CONTROLS

VirtualDJ features an internal mixer section as part of the Mixer panel.
It can be used just like a regular DJ mixer.
The controls on the mixer include:

Hardware   **Software**

1. You may rotary the knob select the music track which you wished from playlist of computer

2. Master and Headphone Cue volume knobs

3. Channel Gain
   This knob sets the gain level for the corresponding channel (deck). (Right clicking will bring it to the value that matches the other deck level. Double clicking brings it back to 0) key adjust the key of the playing track without adjusting its pitch/tempo.

4. EQ
   These knobs allow you to adjust the low, mid, and high frequencies of the audio playing on the desired channel of the mixer. Each frequency range can also be cut by right-clicking on the respective knob.

5. Channel Faders
   These vertical faders allow you to adjust the audio signal of the desired channel.

6. VU Meters
   Sends the pre-fader level of the audio to the cue section for headphone monitoring.
   VU Meters show the current output of the respective deck.

7. Crossfader
   The crossfader blends audio or video between the two decks. By sliding this fader from channel to channel you can isolate the left and right deck or blend them together.
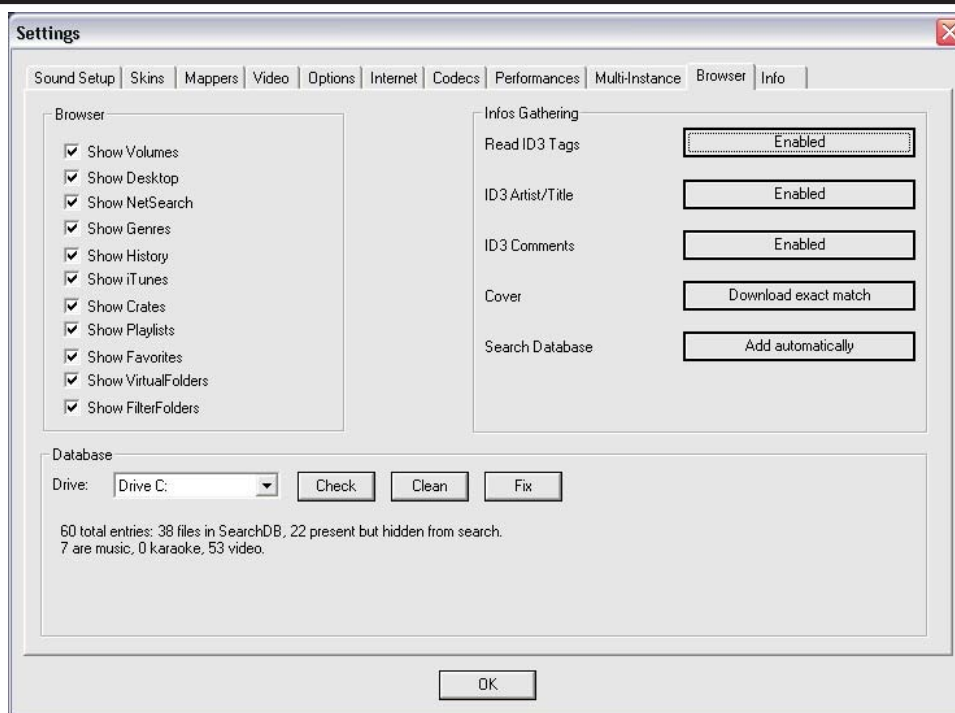
Genres – provides a generated tree of Genre types based on the imported ID3 tag Genre field. By selecting on the various listed genres the file browser panel (2) only shows those entries that match the tag.

History – provides access to data stored about each session use of VirtualDJ. The data is stored as .m3u playlist files and it is stored in the My Documents -> VirtualDJ\Tracklisting folder.
History data is saved on the fly in order to provide running history of played tracks for each 24hr timeframe of use.

iTunes – displays iTunes playlists and uses the information in the playlist for accessing files. If the files don't exist per the playlists path, an 'Error' shows up in the deck's display when attempting to load the track.

Crates – allows access to the crates structure created and utilized by the Serato ScratchLive application.

Playlists – show or hide the contents of the My Documents -> VirtualDJ\Playlist folder. This is where an Automix playlist is saved by default.

Favorites – show or hide any created folder favorites, created from a right-click on a folder in the Desktop navigation structure and selecting "Set as favorite" from the menu or by using the [icon] icon on the panel's right divider bar.

VirtualFolders – show or hide any created VirtualFolders created from clicking on the [icon] icon found on the right divider bar

FilterFolders – show or hide any created FilterFolders created from clicking on the [icon] icon found on the right divider bar

File / Search Results Panel (2)

VirtualDJ provides several elements of information about each track. The information is a combination of ID3 Tag and VirtualDJ defined data fields. By default the title of the song and artist are listed for each file along with columns for beats per minute (BPM) and duration (Length) with additional columns, explained further in the manual (page 13). The width size for each column can be modified individually and by clicking on a column the contents are sorted. For example, clicking on the artist column sorts the browser by artist initially in ascending order. Click again for descending.

The tracks title and artist are automatically filled in, if the file is named according to two standard conventions, i.e. (artist) title.ext OR artist - title.ext OR the "Tags" option is set to "Enabled" in the "Config", "Browser" tab, and Infos Gathering section. See the "ID3 tag Support" section of the manual for further details.

The BPM and length information are calculated automatically when a track is loaded to either deck. All track information is then stored inside the respective drive database files for later recall.   And all data is stored and saved at time of discovery or data entry immediately to the database(s).

Icon key

 This title is unknown and was never played or scanned by VirtualDJ.

 This title is known and has been scanned by VirtualDJ.

 This title was played during this session.

 Indicates an audio file with a linked video.

 Indicates a video file.

 Indicates a karaoke file.

 Indicates that the BPM difference between the analyzed song and current playing song is too great. This is a track that you might wish to avoid playing next.

SOFTWARE UPDATES AND ONLINE SUPPORT

For Virtual DJ software updates and online support vist the Virtual DJ website:http://www.virtualdj.com.

To learn more about Vitual DJ software,Please visit website:http://www.virtualdj.com/wiki/PDFManuals.html. and download USER GUIDE.

HARDWARE SUPPORT

WARRANTY CONDITIONS
AM4252 equipment is covered by a 1-year warranty on parts and labour except for Crossfaders (90 days).
The following rules apply from the day the equipment leaves the factory:
The date on the invoice is considered to be the date the warranty begins.
Only companies approved by **AM4252** are allowed to work on the equipment. Warranty becomes
void when other service technicians open the equipment.
During warranty period, defective equipment must be sent by pre-paid mail in the original box.

AM4252 will return the goods by pre-paid mail during the first year of warranty; thereafter the mailing cost is to be paid by the recipient Potentiometers have a limited lifetime and are not covered by the manufacturer for more than normal use.
For all service enquiries, refer to your local distributor, as he is best able to help you.