Nimble

USB Audio Interface

USER MANUAL
updated: 05/04/2016
<table>
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<tr>
<th>Date</th>
<th>Version Number</th>
<th>Document Changes</th>
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<tr>
<td>05/02/2016</td>
<td>1.0</td>
<td>Initial Draft</td>
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1 Introduction
This user guide contains the information needed for installing and configuring the Nimble audio device.

1.1 About Nimble
Looking for a portable solution to get clearer and more accurate digital recordings of depositions, meetings in judges’ chambers, or council meetings? Nimble has you covered. This portable USB audio interface needs a simple USB to connect to a controlling computer. Nimble, with its convenient carrying case, makes digital recording with up to six microphones on-the-go a cinch with:

- Audio recording identification
- Mutable NimbleMics with visual indication

Although Nimble can be used with other applications, combining it with JAVIS NoteWise allows it to be used to its full potential.

1.2 Software Requirements
Operating System: Windows 7 SP1 or higher
Processor: Core 2 Duo 2.2 GHz or higher
RAM: 2 GB minimum
Disk Space: 50 MB for application and supporting files, TBD for data
Screen Resolution: 1024 x 768 or higher (1280 x 1024 or higher recommended)
USB: 2.0 or higher
2 Getting Started

2.1 Navigating Nimble

1. 3.5mm (1/8”) Input 1
2. 3.5mm (1/8”) Input 2
3. 3.5mm (1/8”) Input 3
4. 3.5mm (1/8”) Input 4
5. 3.5mm (1/8”) Input 5
6. 3.5mm (1/8”) Input 6
7. Mini USB Connection
2.2 Software Installation

Start the installation process by first connecting Nimble to the designated computer via the provided USB cable. Double-click on the software installer that will appear on your desktop:

The Nimble Configuration Tool Setup Wizard will appear. Click “Next”.

You will be prompted to choose a Custom or Typical Install.
During a “Typical Installation,” both the configuration software and the drivers for Nimble are installed. During a “Custom Installation,” the user can select whether or not to install Nimble drivers.

After making your selection and hitting the “Next” button, the next couple of screens will allow customization of file installation of the software.

Click “Next” on the following screen, which will be similar to the one below, to create a desktop icon.
Once configuration is complete, a detailed description of installation options will be displayed. Click “Install”.

![Image of installation options prompt]

A successful installation of the software will bring up the prompt below. Click “Finish”.

![Image of successful installation prompt]

**Troubleshooting...**

If for any reason installation is unsuccessful, reboot the computer and try again with higher user permissions. In the event that the second attempt is unsuccessful, contact the IT Department or a qualified computer repair technician.
2.3 Software Configuration

Once the software has been successfully installed, an icon similar to the one below will appear on your desktop. Double-click on the icon to launch the program.

![Nimble Configuration Tool](image)

2.3.1 Inputs

After launching the program, the microphone screen will appear displaying the gain for each physical input. This is the default view.

The gain can be adjusted by using the slider to the left of the input. Each input also has a “VU Meter” indicating audio levels.

![Nimble Configuration](image)

1. Audio VU Meter – Represents real-time audio levels.
2. Gain adjustment slider – Range from -40dB to +20dB.
3. Gain level – Displays current input level.
4. Application settings button – Switches to Options screen. (See below.)
5. About button – Displays information about the software.
2.3.2  Application Settings
Each tab controls different aspects of Nimble.

2.3.2.1  Input tab
The Inputs tab allows for enabling and disabling of physical inputs, as well as input configuration. Disabling an input differs from muting in that the input cannot be unmuted when disabled. When configured for “NimbleMic”, Button Action and Record Status can be configured. When configured as a Line Input, Preamp Gain cannot be adjusted.

1. Microphone enable/disable toggle – Selecting OFF will disable all audio from the specified input.
2. Input device selection – Changes input type.
3. Microphone action selection button – Selects the button action for the specified microphone. (Only on NimbleMic)
4. Preamp gain selection – Adjusts preamp gain.
5. Record toggle – When ON, the current record status will be displayed on the specified microphone. (Only on NimbleMic)
2.3.2.2 Advanced tab
The Advanced section allows for changes to Nimble that affect overall configuration. All adjustments on this page are global.

![Application Settings](image)

1. Sound notification – Enable/disable audible notification.
2. ASIO buffer – This change is for the ASIO buffer size used when capturing audio from the Nimble.

2.3.2.3 Firmware tab
This section allows for the update of Nimble firmware, as well as display of the current firmware version.

![Application Settings](image)

2.3.2.3.1 Process to update firmware
a. “Browse” to firmware file (.bin extension).
   b. Once file has been loaded, click “Update”.
      i. All controls will be disabled and progress indication is shown.

      *(NOTE: Do not unplug or turn off Nimble during this process.)*
   c. Once the update process has successfully completed, a message will be displayed indicating successful completion.
   d. Dismiss the completion message. The application will refresh and return to the default view.
3 Specifications

Analog Audio Inputs

Microphone inputs (1 - 6)

- Bit Depth: 24 bit
- Number of Channels: 6
- Sampling Rate: 48 KHz
- Unbalanced
- Connectors: 3.5mm (1/8") TRRS
- Input Impedance: 2 KΩ +/- 10%
- ECM Polarization Voltage: 2.7V +/- 10%
- Maximum Input Level:
  - 4 dBu Mic Preamplifier Gain=0db @ THD+N <0.05%@ 1KHz
  - -30 dBu Mic Preamplifier Gain=+33db @ THD+N <0.2%@ 1KHz
- Microphone Preamplifier Gain: 13dB-33dB
- PGA Gain: -97 - +20 dBu
- Input Crosstalk, Preamp OFF: <80 dBu
- Input Crosstalk, Preamp ON: <50 dBu
- Signal to Noise Ratio (SNR), Preamp OFF: >76dB
- Signal to Noise Ratio (SNR), Preamp ON: >70dB
- Frequency Response:
  - 40Hz-16KHz +/-0.2dB
  - 20Hz-20KHz +/-2dB
- IMD: <0.05%
- THD+N, Preamp OFF: <0.01%
- THD+N, Preamp ON: <0.2%
- LED Current: 10mA MAX
- LED Voltage: 2.7V – 3.2V
- Push Button Input Impedance: 10 KΩ
- Push Button Input Voltage Threshold: 2V

Control I/O

USB

- Standard: USB 2.0 or higher
- Connector Type: USB Mini
General

Power

- Voltage: 5VDC (Provided via USB)

**NOTE**: Plug the Nimble directly into a powered USB port. The device may not function properly with an external USB hub or non-powered USB port.

- Power Consumption: 3W Max

Weight

- 180g (0.4lb)

Dimensions

- 120 x 88 x 13mm (4.73" x 3.46" x 0.51")

4  Contact Us

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Louisville, KY 40223

Support
1-877-JAVS-HLP (800-528-7457)
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1-502-244-3311

Website
www.javs.com
About JAVS

JAVS, headquartered in Louisville, Kentucky, is the global leader in digital courtroom recording solutions integrated in over 6,000 courtrooms throughout the United States and across four continents. Clients across the world have trusted the JAVS solution to accurately capture, store, and publish the official verbatim record of the court for 35 years. From public address to remote arraignment to open source access, JAVS promotes truth and accuracy by preserving the record for tomorrow’s justice system. Learn more at www.javs.com.

NOTE

Illustrations in this manual may differ in part from the actual product.
Specifications and the external appearance may be changed without notification to improve the product.