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Screenshots and product images included in this manual may differ from the actual product.

The information in this document has been carefully compiled and verified and, unless otherwise stated or agreed upon, correctly describes the product at the time of packaging with this document. This user's guide contains a description of the product and it in no way represents a guarantee of particular characteristics or results of use. The team behind AutoTonic strives to improve its products and reserves the right to modify the product described in this manual at any time without prior notice. No duplication, copying and distribution is permitted without written consent from the originator.

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AutoTonic Patent: AT 516.297
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User Manual v10120219
Glossary

Tonic = Root note, the first degree of a scale and the tonal center or final resolution tone, often also described as the "Pitch" of a scale. Potential root notes are: C, C#, D, D#, E, F, F#, G, G#, A, A#, B

"B" vs. "H"

In some central european countries the note B is also called H.

Scale = A set of musical notes defined by its intervals

Intervals = An interval can be seen as the difference between two notes. In reference to the tonal system with 12 semitones in Western music most important intervals are:
P1, m2, M2, m3, M3, P4, Δ, P5, m6, M6, m7, M7

Intervals:

<table>
<thead>
<tr>
<th>Interval</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1</td>
<td>perfect unison</td>
</tr>
<tr>
<td>m2</td>
<td>minor second</td>
</tr>
<tr>
<td>M2</td>
<td>major second</td>
</tr>
<tr>
<td>m3</td>
<td>minor third</td>
</tr>
<tr>
<td>M3</td>
<td>major third</td>
</tr>
<tr>
<td>P4</td>
<td>perfect fourth</td>
</tr>
<tr>
<td>Δ</td>
<td>tritone</td>
</tr>
<tr>
<td>P5</td>
<td>perfect fifth</td>
</tr>
<tr>
<td>m6</td>
<td>minor sixth</td>
</tr>
<tr>
<td>M6</td>
<td>major sixth</td>
</tr>
<tr>
<td>m7</td>
<td>minor seventh</td>
</tr>
<tr>
<td>M7</td>
<td>major seventh</td>
</tr>
</tbody>
</table>

Major (Scales) = scales that emphasize their similarity to the Major timbre/quality due to their tonic triad with "P1", "M3" and "P5". Examples: Lydian, Ionian, Mixolydian, ...
Minor (Scales) = these scales are often described as "darker", "soft" or "introverted sounding scales. Examples: Aeolian, Dorian, Locrian, etc. "Minor" also often refers simply to the Aeolian mode (natural minor).

(Church) Modes = A mode is an alternate version of an existing scale which contains the same notes, in the same order, but which uses a different degree of the scale as the tonic.

Ionian mode = also called the “major scale,” the Ionian mode is one of the most commonly used musical scales, especially in Western music. The Ionian mode contains the following intervals: P1, M2, M3, P4, P5, M6, M7

Aeolian mode = also called the “natural minor” or simply the “minor” scale. The Aeolian mode contains the following intervals: P1, M2, m3, P4, P5, m6, m7

For more information on scales, look into AutoTonic’s library, which can be opened by clicking on the [scale] label or on ⏪ in the scale section.

Enharmonic equivalent = Note/interval/key signature that is equivalent to some other note/interval/key signature. They do relate to the same sound but are named differently, for example: Eb = D#

AutoTonic makes no distinction between "Enharmonic equivalents". These will be ignored and only "♯" will be used exclusively.

<table>
<thead>
<tr>
<th></th>
<th>B♯</th>
<th>B*</th>
<th>C*</th>
<th>E♭</th>
<th>D*</th>
<th>E♯</th>
<th>E*</th>
<th>F*</th>
<th>G*</th>
<th>B♭</th>
<th>A*</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔️</td>
<td>C</td>
<td>C♯</td>
<td>D</td>
<td>D♯</td>
<td>E</td>
<td>F</td>
<td>F♯</td>
<td>G</td>
<td>G♯</td>
<td>A</td>
<td>A#</td>
</tr>
<tr>
<td>✗</td>
<td>D♭</td>
<td>D*</td>
<td>E♭</td>
<td>F♭</td>
<td>F#</td>
<td>G♭</td>
<td>G♯</td>
<td>A♭</td>
<td>A♭</td>
<td>B♭</td>
<td>C♭</td>
</tr>
</tbody>
</table>
What is AutoTonic?

AutoTonic is the most versatile realtime Note-Signal Processor of its time. It combines hundred years of conventional music history with a game-changing triggering technique to map any existing scales (or scales you create yourself) in a simple and intuitive way to the white keys of your keyboard. The need for this technology in the form of a live operating preprocessor has been an ever-growing demand since the invention of the harpsichord – the grandfather of instruments with a linear keybed itself. By a clever and patented method, AutoTonic has finally accomplished the goal: bringing music theory right to your fingertips, making the whole thing as easy as possible.

Combining the power of true modal scale mapping with an instant responsive keyswitch method that is placed at the closest possible point – right next to your note-playing fingers – AutoTonic is a highly creative songwriter production tool that is applicable to all genres of music. So whether you’re producing EDM, Pop, Hip Hop, Classical Music or other styles, and no matter if you are working in the studio or performing live in front of an audience, you’ll find in AutoTonic what every musician has always wished for: the ability to play in any harmonic context with ease.

One important characteristic of AutoTonic is, that it will not randomly trigger or suggest notes for you automatically -- every outputted note is a mathematically calculated result of its corresponding input action. This groundbreaking transposing engine simply maps out very complex musical patterns for you, so you can play them in a linear way, raising your compositions to completely new heights without the need to care about specific finger patterns or physical limitations.

Since true modal interchange is the key of hit records from composers and songwriters of all time, with AutoTonic you now have access to a tool that allows you to play instantly in any harmonic context of western tonal music.

With AutoTonic you’ll discover new harmonies!
AutoTonic requires Virtual Cabling

AutoTonic works in terms of a "sandwich processor" in between the signal's source and the desired OUTPUT destination (Virtual Instrument, DAW, etc.). Since AutoTonic isn't meant to produce any signals on its own, it requires a external MIDI Source (e.g. your MIDI Keyboard Controller) to provide input.

AutoTonic's processed signals are then forwarded by default to the "AutoTonic MIDI Out" port, a virtual MIDI driver which will act as a bridge to your dedicated signal target. Alternatively, you can select any other destination corresponding to any of the ports you wish to use and that are available on your system.

**Important**

Windows does not come with its own virtual MIDI ports, so if you're a Windows user, you might need an additional MIDI driver running in the background. A number of these can be found on the internet for free (e.g. midiox, loopbe1, ...).

Prevent your target application from message doubling! To make sure your target application is receiving only AutoTonic's processed signals it might be necessary to set up a virtual A/B-switch (annot. "pipe/translator/cable-switch") to enable toggling back and forth between the raw and AutoTonic's processed MIDI signal.
Key Features of AutoTonic

✔ **True „Modal” Transposing:** Through a unique and patented system exclusively developed in Vienna, AutoTonic automatically and dynamically allows you to play in any harmonic context existing in Western tonal music with ease (up to 24,576 scales!).

✔ **Sophisticated Key Mapping:** Offering a true linear fingerboard, AutoTonic allows the player to focus entirely on his finger movements instead of thinking about scale patterns or finger positions. Any harmonic context can be switched in realtime.

✔ **Music Theory Database:** AutoTonic comes with an impressive library of over 500 scale templates, some including even additional background informations and performance suggestions etc,

✔ **Customizable Scales Database:** Not only you can access, manage and edit all template scales in the scales library, but also declare your own unique new scales.

✔ **Intuitive Realtime Functions:** AutoTonic's new key switching technology allows you to control AutoTonic right from your keyboard by reinterpreting the black keys as function buttons – access your harmonic context without the need to look at your screen!

Using AutoTonic feels like a new instrument! For more details visit: [www.autotonic.net](http://www.autotonic.net)
Software Installation

Mac OS X Installation

✔ To get started, download the installer for your Apple OS X operating system that you received with your order from the www.autotonic.net website
✔ Locate the downloaded installer file in Finder and run the installer file
✔ To proceed, you must accept the End User License Agreement (EULA). After you have read the license agreement, check "I agree" and continue
✔ The Setup Program will lead you through the installation procedure. Follow the on-screen instructions, and after the installation has been performed successfully, click Finish
✔ Next follow this quick start guide: AutoTonic-Setup-Mac.pdf

If you need to remove AutoTonic manually, you can simply delete these contexts:
- /Applications/AutoTonic.app
- ~/Library/Application Support/AutoTonic/

Windows Installation

✔ To get started, download the installer for your Windows operating system that you received with your order from the www.autotonic.net website
✔ Use Windows Explorer to locate the downloaded installer file and run the installer file
✔ To proceed, you must accept the End User License Agreement (EULA). After you have read the license agreement, check "I agree" and continue
✔ The Setup Program will lead you through the installation procedure. Follow the on-screen instructions, and after the installation has been performed successfully, click Finish
✔ Next follow this quick start guide: AutoTonic-Setup-Win.pdf

If you need to remove AutoTonic manually, you can simply delete these contexts:
- C:\Program Files (x86)\AutoTonic\n- C:\Users\YourName\AppData\Local\AutoTonic\
Demo Version (Free)

1. Download from www.autotonic.net
2. Email Instant Digital Delivery
3. Enter email & run

Restrictions:
✓ Must be restarted every 10 minutes
✓ Expires after 14 days

Paid Version Authorization

1. www.autotonic.net Register User ID (Email) & Purchase
2. Email Instant Digital Delivery
3. AutoTonic User ID (Email) & Network Verification

To permanently unlock AutoTonic, please visit www.autotonic.net and follow the purchase instructions. Accepting the License Agreement and creating a User ID (email & address) are required. After your order is complete, you will receive an email with your download link. When running AutoTonic for the first time, please make sure that you're connected to the internet – a network validation is required to fully validate it.
Shortcuts Overview

Keyboard Shortcuts

(when application is in the foreground)

- **POWER On/Off**
- **Left Header**
- **Right Header**
- **(mutex) Tonic Lock/Learn**
- **Pitch (+/-)**
- **Clear Scale (empty)**
- **Reset Scale ("Ionian")**
- **(mutex) Scale Lock/Learn**
- **(mutex) Keep pressing = LEARN**

LEARN Functions

While holding down ◀ (left arrow key), pressing any key on your Hardware MIDI Piano will set this note as your new learned OUTPUT tonic.

The same principle applies with the ▶ (right arrow key) for learning new scale intervals, but here each desired interval will be toggled On/Off separately using the corresponding key on your Hardware MIDI Piano.

Scale Learn:

The corresponding Intervals/Notes: Regardless of which tonic the current scale is based on, while using the "Scale LEARN" function all intervals act as though their tonic were a "C".
Mouse Actions

In AutoTonic, the left mouse button is used for selecting, choosing menu items, clicking buttons and selecting objects. The left mouse button is also used for repositioning and copying Headers.

- Click & drag Headers to swap them in place
- Alt + Click & drag Headers to copy them to another position
- Click & drag INPUT Anchors to offset the INPUT signal's pitch for a dedicated Header
- Click & drag intervals (in the ScaleModifier) for quicker scale modifying
- Shift + click to reset a Header to C/Ionian(Major)
- Clicking into the center screen area will hide all menu buttons
- Alt + Click on x/o-Modifier to reset it to “x”

Clicking on a Header with the right mouse button (or on mac by holding the control key while clicking with the mouse) is used for opening a context menu, where these helpful functions will be available:

<table>
<thead>
<tr>
<th>Header Context Menu</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Copy Header Settings</td>
</tr>
<tr>
<td>• Paste Header Settings</td>
</tr>
<tr>
<td>• Tonic Modifier: Lock</td>
</tr>
<tr>
<td>• Tonic Modifier: Unlock</td>
</tr>
<tr>
<td>• Scale Modifier: Lock</td>
</tr>
<tr>
<td>• Scale Modifier: Unlock</td>
</tr>
<tr>
<td>• TonicScale: Lock</td>
</tr>
<tr>
<td>• TonicScale: Unlock</td>
</tr>
<tr>
<td>• Scale: C/MAj(Ion)</td>
</tr>
<tr>
<td>• Scale: Empty Intervals</td>
</tr>
<tr>
<td>• All: Unlock (Clear Scene)</td>
</tr>
<tr>
<td>• All: RestoreDefault</td>
</tr>
</tbody>
</table>

Workflow Notice

It is highly recommended to use a sort of global shortcut, custom mouse assignment or script etc, that will automatically launch AutoTonic by the use of this gesture. This can be especially useful when working with a space consuming application (for example a DAW). Try it out, you’ll be amazed how comfortable this workflow can be!
Control Elements Overview

<table>
<thead>
<tr>
<th>1a</th>
<th>1b</th>
<th>1c</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Keyboard</td>
<td>INPUT Anchors</td>
<td>Headers/PowerButton</td>
</tr>
<tr>
<td>2a</td>
<td>2b</td>
<td>3</td>
</tr>
<tr>
<td>TONIC-Modifier</td>
<td>TONIC Lock</td>
<td>MainCenterScreen</td>
</tr>
<tr>
<td>4a</td>
<td>4b</td>
<td>5</td>
</tr>
<tr>
<td>SCALE-Modifier</td>
<td>SCALE Lock</td>
<td>Open/Close Library</td>
</tr>
<tr>
<td>6a</td>
<td>6b</td>
<td>7</td>
</tr>
<tr>
<td>Output Keyboard</td>
<td>Output Anchors</td>
<td>x/o-Modifier</td>
</tr>
<tr>
<td>8</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Input Channel Selector</td>
<td>Output Channel Selector</td>
<td></td>
</tr>
</tbody>
</table>

**Scrollwheels (Channel Selectors)**

The two scrollwheels are the main MIDI input/output channel selectors. The *lower scrollwheel* selects the receiving channel, which AutoTonic will process and the *upper scrollwheel* defines where the transposed signals will be sent to (depending on the other AUTO/ALL/CH.# settings).
POWER Button

The POWER Button toggles between the processing engine's active and inactive status. When POWER is OFF, no transposing will be applied and all signals will be let through without any change applied to them. When POWER is ON, an indicator will light up indicating the transposing engine's active status.

The POWER Button can be moved horizontally and placed on top of a desired black key. It can be triggered by clicking with the mouse or by playing the MIDI note it is placed on. By default, the POWER Button is placed on MIDI key #61.

Headers

Memory character

Headers are the "brain" of the scale scenarios. Each Header acts as a separate memory location, and stores/hosts its own modifier scenario. Only one Header can be active at a time. When set, a light will indicate its active status. Any Header can be moved horizontally and placed on top of any black key. When a Header is dragged to another destination, it will swap places with the previous Header. Headers can be triggered by mouse or MIDI signals.

Mouse: Right clicking on a Header will open a helpful action context menu.
Header Text Labeling

Each Header has two separate text labels which indicate if either the TonicModifier or the ScaleModifier Lock Switches are locked or unlocked. An unlocked modifier is indicated by an ellipsis (‘...’). This results in a state where all settings can be overwritten.

... An ellipsis glyph indicates that a Header’s modifier state is unlocked and might be not protected from being overwritten.

Header Text Abbreviations

ScaleModifier=locked & setting exists: If a Header's modifier is locked and a record is found in the library that matches the exact same settings, then the abbreviated text form of the record will be printed on the Header's text label indicating that this specific Header uses a given preset and it is preserved from getting overwritten.

ScaleModifier=locked & no match is found: If a Header gets locked and no library record exists that matches the ScaleModifiers interval state, then a temporary user scale (Scale 1, Scale 2, etc.) will be created and it is preserved from getting overwritten.

ScaleModifier=unlocked: If the Header’s ScaleModifier is unlocked no text will be printed (ellipsis only) and the Header could get overwritten at any given moment.

Overriding Headers

When switching to a Header having either the Scale- or Tonic-Modifier unlocked (indicated by an ellipsis glyph) this modifier's state will be overwritten instantly with the previously used Header state. This method allows the user to simultaneously activate multiple Headers, whose settings may be merged together.
**Lock Switches**

These "Locks" make the Scale- or the Tonic-Modifier settings permanent, protecting a Header's setting from being overwritten by switching Headers.

**Tonic Modifier**

The "TonicModifier" allows the user to select the tonic/root note for the potential OUTPUT material. By clicking into this area, one of the 12 available tones will instantly become the transposed material's new root note. The result will be displayed as yellow tinted keys in the OUTPUT keyboard.

Mouse:  
For faster results you can also click-and-drag the mouse in this area!

**Scale Modifier**

The "ScaleModifier" allows the user to choose from multiple intervals of the 12 most commonly used musical intervals in Western tonal music. By enabling or disabling each interval step, the resulting musical context will be instantly recalculated and displayed as yellow tinted keys in the OUTPUT keyboard.

Mouse:  
For faster results you can also click-and-drag the mouse in this area!
Numerical Indexes

Anchor Index Numbers

The INPUT/OUTPUT Anchors are located next to each keyboard. Each anchor represents an irregular index number which will indicate the corresponding positions of the note sections of a Headers tonic/scale scenario, and where the root notes (Octaves) can be found on the keyboard.

While the INPUT Anchors can be dragged horizontally with the mouse (Pitch Compensation), the OUTPUT Anchors are fixed and only change when the initial source notes themselves are modified.

Pitch Compensation

The INPUT Anchors can be moved up or down to change the overall pitch (note height) of the incoming signal. This might become especially useful when compensating for the range of two Headers having root notes far apart (e.g. "C" and "B").

Avoid hardware pitch functions, use AutoTonic's pitch compensation instead!

Note Index Numbers

Between each pair of INPUT/OUTPUT Anchors, there are small Note Index Numbers. With the help of these indicators, each individual key's position can be located anywhere on the keyboard or in the ScaleModifier.
The Scales Library

AutoTonic already comes with over 50 ScaleRecords, covering a huge field of music history. This preset library lets you choose from the world's most fascinating music scales, as well as those you create yourself. Any possible scale in *Western tonal music* can be defined and managed here.

Scale records are stored in category banks which are located on the far left side of the library window. Once a scale within a category is selected, the scale description, Header-Abbreviations1+2 and ScaleModifier settings are updated and can then be played.

Matching ScaleRecords Indicator

When manually configuring custom scales in the ScaleModifier, any matching record will be detected instantly with a realtime comparison against the existing library data. This way, you'll always be kept informed if a scale you have created already exists in the library. If a matching record is found, it will be indicated in two locations:

**Exclamation mark:** A ⚠️ will be visible to the left of the ScaleModifier if a scale matches an existing library record. Opening the library by clicking ◀️ or the SCALE label will reveal information about the related scale.

**In CleanScreenMode:** When the menu buttons are hidden in the MainCenterScreen (you can hide the buttons by clicking in the middle of the MainCenterScreen), all matching ScaleRecord information will be shown in the middle of the screen.
Managing Library Files

Any scale presets within AutoTonic can be edited using the libraries browser functions. The library window is displayed by clicking the ScaleModifier or the label located above the ScaleModifier or the button. The library can be closed by clicking again on the same label/button (which will be then). The list of scale categories can be found on the left of the MainCenterScreen. Clicking on a category name will fill the list of scales located in the center of the window with the names of the scales included in the selected category.

A new category can be created by clicking on the button above the category list. This opens the "Create New Category" window in which the name of the new category can be entered. To delete a category, first select it in the category list and then click on the button. Be careful, since this command erases a category and all the scales it contains; this operation is permanent and cannot be undone. To rename a category, simply click on the rename button and enter a new name.

Scale presets may be selected by clicking on their name. This will update the scale description, the HeaderAbbreviations1+2 and the ScaleModifier's interval settings. The scale description and the HeaderAbbreviations1+2 can be modified by clicking on the corresponding text areas, which will open a dialog for editing.

To copy a scale file into another category, it must first be selected by clicking on its entry in the scale name list. It may then be copied by moving the mouse to a different category in the category list on the left and clicking on the category name.

To delete a record, select it and then click on the Delete button.
Header Abbreviations

Header abbreviations (HeaderAbbreviation1+2) are used to specify what scales are stored in each Header position in the INPUT keyboard area. Because of the tight space limitations of the horizontal keyboard layout, only a few characters can be used for each line. By default, AutoTonic's library contains some predefined abbreviations, but you can change them by clicking inside one of the two small name fields above the description area.

Here are some Abbreviation Examples:

<table>
<thead>
<tr>
<th>Scale-Name</th>
<th>Abbr.1</th>
<th>Abbr.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diminished Whole-/Half-tone Scale</td>
<td>SYMM</td>
<td>Dim.WH</td>
</tr>
<tr>
<td>Double Harmonic Major</td>
<td>HARM</td>
<td>2xMaj</td>
</tr>
<tr>
<td>Major Pentatonic</td>
<td>MAJOR</td>
<td>Maj.Pt</td>
</tr>
<tr>
<td>Melodic Minor (ascending)</td>
<td>Mel.MIN</td>
<td>Asc.(+)</td>
</tr>
<tr>
<td>Melodic Minor 5th Mode</td>
<td>Mel.MIN</td>
<td>5thMode</td>
</tr>
<tr>
<td>Harmonic Major</td>
<td>HARM</td>
<td>Harm.Maj</td>
</tr>
<tr>
<td>Major Scale &quot;Ionian&quot;</td>
<td>MAJOR</td>
<td>Ionian</td>
</tr>
</tbody>
</table>

The names have to meet certain criteria: max. 5 – 8 characters/line are allowed (width-dependent), numbers are allowed, only standard Latin UTF-8 characters.

ExportDatabase, ImportDatabase & RestoreDatabase

On the right of the "MainCenterScreen" are three dialogue buttons:

**ExportDatabase:** If you want to save all your modifications for another session or share your presets with other users, you can export all library data and Headers at once. Simply select the ExportDatabase button in the MainCenterScreen and type a suitable name.

**ImportDatabase:** Loads external library and Header data as described above.

**RestoreDatabase:** If necessary, it is possible to restore the original factory library of categories and scales by using the "RestoreDefault" button. This will also overwrite all Headers and simply reset AutoTonic's settings to their factory default state.

Data loss: "Import" and "RestoreDatabase" will overwrite existing settings. Use carefully!
AutoTonic User Manual

Chapter 4. Appendix

AutoTonic Block Diagram

MIDI Specifications

AutoTonic processes only MIDI Note Signals from Note #21 up to Note #108. Since multiple MIDI note declaration standards exist (eg, Yamaha „C3“ = Roland „C4“), AutoTonic refers only to MIDI Message Numbers (→#).

By default only note signals on Channel #1 will be transposed. All potential other routings have to be set manually by the Input/Output-Scrollwheels (left/right scrollwheel = input/output MIDI channel). When opening new ‘instances’ the active channels will count to the next higher channel number (#1, #2, #3 ...
Recording with a MIDI „Backup Track“

As it is common in studios with audio signals, you might consider recording both, the processed and unprocessed signal of your MIDI performance. Doing so will enable you to completely reenact AutoTonic's operations and scale switching, but will also require you to carefully save and reload all project related database by using the import/export database dialog.

Standalone Format vs. Plugin

Why AutoTonic isn’t a MIDI FX Plugin within my DAW?

DAW’s add buffer and latency etc, by default ... just think of other „realtime applications“ in the audio domain, which for example emulate the feel of preamps and channelstrip circuits with „near zero latency“ -- these software processing applications wouldn’t be feasible as a plugin inside your DAW as well, respectively would it not make much sense as the processing will be always dependent to the DAW’s structure and performance.

And secondly, with a plugin there are always limitations to a particular proprietary format -- but having AutoTonic operate as an individually standalone software it provides maximum compatibility, now or in the future (just think of eventually switching platform one day), with any other MIDI gear existing ...
FAQ – Questions & Answers

Installation

How do I setup AutoTonic?

1. **CONFIGURE AUTOTONIC′S INPUT:**
   In AutoTonic, press the "MIDI I/O" button. A dialog will open and show you the INPUT ports available on your system. Select the devices you want to use.

2. **CONFIGURE AUTOTONIC′S OUTPUT:**
   In the same window, you'll find all OUTPUT ports available on your system. Select the target port to which you want to forward AutoTonic's processed signal.

3. **CONFIGURE YOUR TARGET APPLICATION:**
   Once you have set AutoTonic's MIDI flow to a target port, the last step is to select the latter within the target application for the connection to be complete.

**Important:** Windows does not come with its own virtual MIDI ports, so if you're a Windows user you might need an additional MIDI driver running in the background. A number of these are available for free:
e.g. "midiox", "loopmidi", "rtpmidi", "loopbe1" etc.

Quick Start Guide (Links)

**AutoTonic Setup on PC:**
http://media.autotonic.net/images/AutoTonic-Setup-Win.pdf

**AutoTonic Setup on Mac:**
http://media.autotonic.net/images/AutoTonic-Setup-Mac.pdf
Demo Version

What are the demo limitations?
✓ Needs to be restarted every 10 min
✓ Automatically expires after 14 days

Full Version

What's included with my purchase?
✓ Full unlimited access for any platform (Win/Mac) for the rest of times
✓ 1 Single User License which allows you to run AutoTonic on up to 3 computers, as long as only one is running at any given time
✓ Includes free Updates
✓ Includes free Email-Support

How long is my license valid?
Paid licenses have no expiration.

May I install AutoTonic on more than one computer?
Yes, the 'Single User License' allows you to run AutoTonic on up to 3 computers you own, as long as only one is running at any given time. In case you want to transfer your AutoTonic license from one compatible device to another, you have to unregister it from the first. All AutoTonic transfers must be validated by AutoTonic customer support – but such a transfer might could take (at the moment) up to 24-48 hours! We're looking forward to improve this in an upcoming update. To initiate an AutoTonic Transfer Request, please contact us here:: registration@autotonic.net

Can I recover an authorization in case my laptop gets stolen or broken etc?
Yes. Please contact us directly here: registration@autotonic.net

Can I transfer my AutoTonic license to someone else?
No, we do not offer license transfer at this time.
Subscription-plan Version

What’s included with my AutoTonic Subscription-plan purchase?

✓ Unlimited access for your subscription period
✓ Membership expires automatically, the service begins as soon as your initial payment is processed
✓ 1 Single User License which allows you to run AutoTonic on up to 2 computers (3-Year Version) respectively 1 computer (1-Year Version), as long as only one is running at any given time.
✓ Includes all Updates within your subscription period

Is there a automatic renewal clause?
After the subscription expires your license will become inactive, and you will not be billed any further charges or such. All service expires automatically, no need to become active then, in some cases it even might run a few days longer than expected :)

Can I use my AutoTonic Subscription-plan on multiple devices?
The subscription versions ‘Single User License’ allows you to run AutoTonic on 1 computer (1-Year Version), respectively up to 2 computers (3-Year Version) you own, as long as only one is running at any given time. In case you want to transfer your AutoTonic license from one compatible device to another, you have to unregister it from the first. All AutoTonic transfers must be validated by AutoTonic customer support – but such a transfer might could take (at the moment) up to 24-48 hours! To initiate an AutoTonic Transfer Request, please contact us here: registration@autotonic.net

Can I transfer my AutoTonic Subscription-plan license to someone else?
No, we do not offer such license transfers at this time.

Can I recover my AutoTonic Subscription-plan in case my laptop gets stolen or broken etc?
Yes. Please contact us directly here: registration@autotonic.net
System Requirements

Which is the best MIDI keyboard controller for controlling AutoTonic?
The answer will depend very much on your own circumstances. Generally speaking, any standard MIDI controller having at least 1 octave and a traditional keyboard will work fine with AutoTonic's functions.

What are the minimum system requirements (Win/Mac)?
Technically OS X 10.7.3 (on Mac, but we still recommend at least OS X Mavericks) or Windows XP (on PC). At least 256 MB of RAM and 10 MB of free hard drive space are recommended for standalone usage.

Troubleshooting

The program won't launch, what should I do?
AutoTonic requires an internet connection the first time you sign in. Please make sure you do not have any firewall or anti-virus programs blocking AutoTonic or its launcher.

I don't see any visual feedback when I press a key ...
If you don't get any input signals, first make sure you've selected the correct MIDI ports in AutoTonic's MIDI I/O-settings. Also, by default AutoTonic processes only MIDI signals on channel #1. So make sure your MIDI keyboard sends its signals on this channel (MIDI channel#1=industry standard factory default). Basic Signal Flow:
MidiKeyboard>AutoTonic>VirtualMidiPort>DAW

There's a horrible note doubling effect in my sound generating software?
This indicates that the software is receiving both the processed and the unprocessed signal. To solve this, simply deactivate any other MIDI ports that AutoTonic is not also using. Please also refer to the manual and follow the suggested MIDI setup preparations, e.g. when working with a DAW.
Miscellaneous

**What sounds does AutoTonic contain?**
AutoTonic does not generate any audio itself.

**Is AutoTonic compatible with the software I am using?**
AutoTonic is meant to be a sandwich processor (between the INPUT device and the desired OUTPUT target), and therefore AutoTonic supports any MIDI-based Virtual MIDI Instrument or DAW existing on Win or Mac ...

**What distinguishes AutoTonic from other MIDI processing engines?**
AutoTonic offers a completely new approach to keyboard playing by using a patented keyswitch technique to map any potential/possible scale in Western tonal music (which is based on 12 pitches) to your keyboard in realtime. Note transposing has never been so easy, and this is what makes AutoTonic so incredibly useful and unique.

I've tried using a stolen/illegal copy of AutoTonic and got listed, am I still being qualified to purchase the full version/subscription version without any troubles?
Sure, go for it and don't care. In this case your karma will be reset and we will not mind it any further. You finally supporting this project is the best thing that can happen for the further development ...

**What if AutoTonic goes out of business one day?**
Then all full version users will receive particular 'unlocked' installer files for the latest existing AutoTonic Win/Mac-version at this given moment, which will allow them then to use AutoTonic completely freely from any network connections for the rest of all times.

**How can I report an issue?**
Please contact us here: support@autotonic.net
Update Changelog

**v1.10 (rev222.1)**

- ✔ MULTI mode for Headers -> when „MULTI“ is ON then Headers will listen to all MIDI channels Ch.#1–16, no matter what channel currently is selected at the input filter method
- ✔ OMNI/FILTER/THRU -> signal path improvements, will route signals on their according MIDI channels more accurately now (includes MIDI CC, Aftertouch, Channel Pressure etc, now), bugfixes
- ✔ MONOPHONIC/POLYPHONIC (MONO/POLY mode) new input method that allows only one note to be active at a time, can be especially useful when used in combination with chord stackings for more accurate triggerings
- ✔ DELAY feature for offsetting incoming note signals by milliseconds, which is especially useful when using ‚control instances‘ for automatic chord triggerings -> so Header switchings can be triggered before the actual incoming note press
- ✔ DELAY can be set from 0-999 ms
- ✔ ALT+click on DELAY will reset value to „0“
- ✔ use clickdrag or double-click for numerical entry
- ✔ when POWER=Off both, black and white keys are delayed
- ✔ New output routing methods:
  - ✔ CH.# - current selected output channel
  - ✔ ALL - sends to Ch.#1-16 simultaneously
  - ✔ AUTO - sends to the corresponding MIDI channel automatically
- ✔ PANIC feature
  - ✔ left click on PANIC sends Note Off signals on 0-127 on selected CH.#
  - ✔ ALT+click on PANIC sends Note Off signals 0-127 to ALL 1-16 MID channels
- ✔ New Shortcut: ALT+click on input/output scrollwheel:
  - ✔ @input: resets filter method to „1-OMNI“ (filter method „OMNI“ with scrollwheel set to Ch.#1)
  - ✔ @output: resets filter method to „AUTO-1“ (filter method „AUTO“ with scrollwheel set to Ch.#1)
- ✔ SYNC function
- ✔ Performance improvements
- ✔ UI changes
v1.9 (rev220.1)
✓ New ,input channel # methods (->lower scrollwheel=input channel number):
✓ Omni = *All* incoming Midi Channels will be fed into the transposing engine (=now default)
✓ Filter = Only *matching* signals will be transposed, other signals are muted/killed
✓ Thru = Signals on *unequal channels* will be routed through without change
✓ Newly opened ,Instances' will use previous input method (Omni/Filter/Thru)
✓ 'ALT+Click' on ,New Instance'-button = new instance with *same* input/output channel number (default is: 
   ,input/output channel count +1')
✓ Fix: MIDI Control Data of ,input channel # follows now ,output channel #' setting (MIDI CC, Program Change, 
   Channel Pressure, Pitch Wheel)
✓ UI Enhancements/Adaptions
✓ AutoTonic v1.9 Block Diagram (Signal Path):

v1.8 (rev219.3)
✓ Fixes & UI Improvements
✓ Input & Output Mute Keys
✓ Chord Memorizer (=Realtime Chord Switching)
✓ Keyboard Splitting --Now you can:
✓ Use Zones (eg, Left Hand triggers Chords -> Right Hand does 'Solo')
✓ Create your own ,MIDI Channel' Zones (Multi-Instrument Triggerings)
✓ Create Mappings that will dynamically morph while playing
✓ Set up ,grace notes' that can be triggered completely independent
✓ Use ,Feedback Loops' to automate harmony switchings
✓ Create Overtone Scales that will vary from octave to octave
✓ Use scales that will be played ascending/descending differently

v1.7 (rev217.3)
✓ „High Sierra“ Compatibility
✓ Introduces a new „Chord-Feature“: Interval- & Chord-Stacking Feature based on variables (x/o)
✓ Click here for more information
✓ v1.7 AutoTonic Update w/ MIDI CHORD Generator SCALES
v1.6 (rev215.12)
✔ Fixes an issue where 'Channel Aftertouch' and 'MIDI CC' was not working ("Silent Update": All latest releases were updated –> 215.11=215.12)

v1.6 (rev215.11)
✔ Category dialogue windows falsely opening in separate windows ("+") and "RENAME"")
✔ "Lydian" scale not getting detected when SCALE Modifier matches (xoxoxoxoxoxox) or when selecting it from the Library
✔ AutoTonic version 1.6 Full Mac Win MIDI Transposer Poly Aftertouch AT Patched Serial Cracked

v1.6 (rev215.10)
✔ Bugfix: "Lydian" (xoxoxoxoxoxox) was not working when selecting in the Library ("Silent Update": All latest releases were updated –> 2015.9=215.10)

v1.6 (rev215.9)
✔ NEW: multiple instances (eg, for key splitting or multichannel processing)
✔ NEW: I/O MIDI channel selectors for advanced MIDI routings
✔ NEW: Polyphonic Aftertouch is now fully supported (eg, Yamaha CS-80)
✔ NEW: over 400+ new scales, requires "resetting database", still not perfect but at least in progress...
✔ UI improvement: MIDI numbers (#) now on OUTPUT keyboard as well
✔ Bugfix: 'grey keys' got stuck when switching Headers while playing

v1.5 (rev213.2)
✔ Minor internal changes, Updated Installer ("Silent Update": All latest releases were updated –> 213=213.2)
✔ 2016-11-19 / v1.5 (rev213)
✔ Bugfix: 'black keys' notes getting stuck when turning POWER on while playing
✔ 2016-10-14 / v1.4 (rev212)
✔ Various fixes and improvements
v1.3 (rev202)
✔ Fixes a bug where the keyboard shortcut RETURN didn’t reset the scale to ‘Ionian’ in unlocked ScaleModifier state
✔ Fixes a bug with Scale/Tonic-Learn (NAME-lists were not refreshed properly when Library was opened)
✔ Fixes a UI-Bug that occurred for Retina-Display users
✔ AutoTonic NEW Version 1.3 FULL MAC WINDOWS 64 Bit Transposer MIDI Transposing Quantizer

v1.2 (rev198)
✔ addWindow & editionWindow improvements
✔ avoids Library lists jumping back while playing
✔ PitchCorrection related fixes
✔ Various slight UI improvements

v1.1 (rev188)
✔ „Permanence“ for DEMO
✔ Various slight improvements

v1.0 (rev176)
✔ Initial AutoTonic launch