

# Product Guide

## Hypersonic 2

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## Tagline

“The Ultimate Virtual Music Workstation”

## Positioning Statement

Since its launch in 2003, Hypersonic has been the most successful computer based musical workstation, pushing limits in terms of efficiency, versatility and ease of use. Hypersonic 2 is the sequel to this story of success: With its new features Hypersonic 2 will stay at the forefront of digital audio technology – the ultimate musical Swiss Army Knife in studios and on stage. From the talented programming team behind Virtual Bassist, Hypersonic 2 offers new levels of accessibility and flexibility, creating a musical workstation environment that not only offers you endless creative possibilities, but lets you work more productively and efficiently than ever before. It's the perfect choice for anybody searching for a stable all-in-one solution for any recording needs. From 1800 new patches in all categories to creative sound design and sheer endless possibilities of creating new patches and tweaking your sound – Hypersonic 2 provides you with anything you could think of.”

## Hypersonic connects

Hypersonic 2 can be used standalone or in **any VST, DXi, AU or ReWire compatible host applications** under OSX and PC. Hypersonic 2 features multi-channel output option in all of these hosts.

## Top Selling Points Hypersonic 2

- **Quality:** Hypersonic 2 features four high quality sound generation engines – sample playback, analog synthesis, FM Synthesis and Wavetable Synthesis featuring Wizoo's acclaimed sound design technology with unparalleled audio specs. 1,7 GB high quality Samples, 1800 patches and a wide range of world class virtual effects make it an unequalled source for professional sound generation.
- **Performance:** Hypersonic 2 delivers more sounds + effects + outputs than any other integrated software instrument, allowing users to generate more sounds in a given system than ever before. Thanks to its proprietary and unique sample optimization engine, Hypersonic dramatically reduces CPU load, RAM/disk space requirements, and patch/combi loading times compared to conventional engines.

- **Workflow.** A fully integrated database makes finding the right sounds a breeze; Hyperknobs allow for quicker, easier and more intelligent sound-tweaking than ever before at the turn of a single knob. In Version 2.0 Hyperknobs can be freely assigned to any reasonable function for optimized workflow and comfort in working with Hypersonic.
  
- **Versatility.** Hypersonic 2 can be expanded with more sound content *and* synthesis engines by adding the Hyper Modules (demo versions of all Hyper Modules included with Hypersonic 2):
  1. US-1 Ultra Synth - High-end analog synth, fat and powerful sound, flexible modulation options, 3 oscillators with analog waveforms, wavetable synthesis, sync, and unison mode Multimode filter with osc audio modulation and overdrive 3 envelopes, 3 LFOs Modulation matrix for easy modulation control and expressive playing, expert page for detailed adjustment of various sound parameters. Includes 256 patches from professional sound designers
  2. GP-2 Grand Pianos - Two outstanding piano models with character adjustment knob (soft/ natural/ bright/ hard). Three versions of each piano are optimized for different amounts of available host RAM, adjustable velocity curve with three preset buttons.
  3. NB-3 Virtual Tonewheel Organ - 9 drawbars, unique tonewheel emulation (variable from the original sine wave sound to a dirtier, more complex timbre), buttons for percussion on/off, loud/soft, short/long, 3rd/2nd harmonic, virtual rotary speaker cabinet with valve preamp, controls for speed, color and overdrive, authentic rotor horn display. Rotary cabinet can be an FX element in any patch. Includes 64 patches by Peter Gorges
  
- **Feature Set:** There are more sounds, more synthesis engines, more effects and more sheer power than any other sound module on the market.
  
- **Bang for the Buck:** Hypersonic 2 delivers all these within a single product at an unbeatable price

## Key Features

- **Four high quality sound generation engines** – sample playback, analog synthesis, FM Synthesis and Wavetable Synthesis
- **1800 factory patches + 100 Combis + 135 Drum&Percussion Kits + 111 DrumLoops**
- **1,7 GB finest Sample Content total**
- **Hypersonic 2 sound palette covers any musical style in top quality** – be it pop, classic, dance, hiphop, rock or even country music
- **General MIDI Hypermodule GM4** included, playback any General MIDI file !
- **Excellent performance: 1024 voices polyphony, 32 stereo outputs**, 16 MIDI channels (per instance!)
- **Hyperphrase (polyphonic arpeggiator)** with 200 categorized phrases included, featuring MIDI file import
- **Combi chain feature** – switch combinations of multiple patches per program change / controller chain
- **Hyper Knobs for fast and effective sound tweaking**
- **Full patch editor** – get access to hundreds of parameters for unlimited creative options
- **Integrated super-fast search engine** simplifies finding the right sounds
- **Integrated mixer with level, pan, output, FX1-4 send**
- **Integrated MIDI keyboard**
- **MIDI Learn** for all editing knobs
- **Expansion bay for up to 5 sound/sample library expansions or synthesizer modules**
- **Supports all major formats:** VST, DXi, AU + Rewire for easy Pro Tools® Integration
- **Standalone version** with multiple-out support included

## Top Points for Updating to V 2.0

- **800 brand-new and super high-fidelity Patches**
- **1000 revised factory patches** – more than double the size of Hypersonic 1.0
- **1,7 GB finest Sample Content** - more than double the size of Hypersonic I
- **New and improved Drumkits** - especially the electronic department has been significantly expanded
- **New XXL instrument versions** – bigger multisample versions of many important instruments
- **Full patch editor** – get access to hundreds of parameters for unlimited creative options
- **Hyperphrase (polyphonic arpeggiator)** with 200 categorized phrases included, featuring MIDI file import
- **Combi chain feature** – switching combinations of multiple patches per program change / controller chain
- **5 new effect types:** high quality reverb, reverse reverb, diffuser delay, bi-phaser, tube drive
- **Improved graphical user interface**
- **MIDI Learn** for all editing knobs

- **Supports all major formats:** VST, DXi, AU + Rewire for easy Pro Tools® Integration
- **Standalone version** with multiple-out support included

### **In-Depth Patch Editing**

With version 2.0 the user gets full access to all oscillator parameters, the modulation matrix and LFOs, this was previously only available to owners of the US-1 expansion. This allows complete control over the different types of synthesis.

### **Hyperphrases**

Hypersonics classic analog arpeggiator modes & monophonic step sequences are enhanced in Hypersonic 2 by polyphonic phrases and the possibility to import user phrases from MIDI files.

### **Combi Chain Feature / Pre-loading**

For live performance on stage or comfortable work in the studio Combis using multiple patches can be switched using an assignable MIDI controller. Pre-loading allows instant switching between these Combis by putting the needed content intelligently allocating RAM. Any held notes of the first Combi-patch continue for as long as they are held when switching.

### **Increased Sample Content**

Hypersonic 2 comes with more than double the sample content, new multi-samples, new instruments as well as revised patches and instruments of version 1.0. For example the original Hypersonic Grand Piano has been extended and a whole new additional piano is now included into version 2.0.

### **New Plug-in Formats/ Multi Output**

Hypersonic 2 is available for all major host applications. Hypersonic 2 features VST format as well as AU, DXi and a standalone version to be used via ReWire in any host, including Pro Tools®. Multi-output compatibility is available in all of these formats.

### **General MIDI Hypermodule GM 4**

The General MIDI Hypermodule GM 4 is already included in Hypersonic 2 and ready to go. The GM-4 General MIDI Module delivers 128 GM instruments plus a great GM drum kit. It is compatible to the GM standard and provides an extremely easy way of sequencing GM files.

### **New Effects**

For advanced fun and versatility 5 new types of effects have been added in Hypersonic 2: high quality reverb, reverse reverb, diffuser delay, bi-phaser and tube drive.

### **MIDI Learn For Most Controls**

MIDI Learn mode allows lightning fast assigning of MIDI controllers to almost any sound-forming parameter within Hypersonic 2. MIDI Learn allows MIDI CC data to be instantly "learned" (automatically assigned) to any of the controls.

## Feature Comparison Chart

Feature	Hypersonic 2	Comp. Software WS Sample Tank 2	Comp. Hardware WS Roland XV 2020 Module	Comp. Hardware WS Korg Triton LE 61
Synthesis Methods	Sample-based Virtual Analog FM Wavetable	Sample-based / Stretch	Sample-based	Sample-based
Wave ROM size	1,7 GB	2 GB	64 MB	32 MB
Optimization method max. CPU/RAM load reduction	loss free 66%	no optimization -	lossy -	lossy -
Number of factory patches/combis/drum& percussion sets	1800 hyper patches/100/135 + 111 drum loops	XL: 1500/-/? L: 500/-/?	512/64/17	425/512/9
General MIDI compatible	yes, General MIDI GM-4 Module included	-	Yes	Yes
Arpeggeator Number of presets MIDI Import	Hyperphrase 200 preset phrases yes	- - -	- - -	Yes 150 preset pattern
Number of MIDI channels	16	16	16	16
Max. polyphony	1024	256	64	62
Macro Sound Tweaking	6 Hyperknobs	4 Macro knobs	-	4
Max. elements per patch	64	4	4	8
Simultaneous insert FX per part	up to 15 (patch) 4 (part)	5	1	1
Main effect sections	4	2	2	2
Output channels	32	8 x 2	4	4
Configurability	free	fixed	fixed	fixed
GUI	yes	yes	no	no
Synths expandable	yes (available US-1, GP-2, NB-3)	no	no	no
Patches expandable	yes	yes	Yes	no
Expansion Slots	5	not limited	2	-