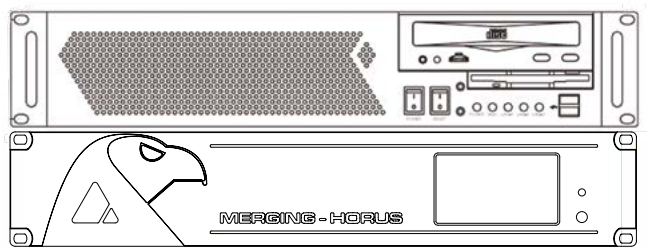


# Pyramix



## DIGITAL AUDIO WORKSTATION

Immersive Audio for the Networking Age

# Pyramix Virtual Studio - Swiss tools for Immersive Sound Design, Music, Post & Mastering

No matter what the workflow, no matter how big the project you are about to start, Pyramix Virtual Studio will provide. From the most influential orchestras and acoustic ensembles, to industry acclaimed cinema and television, to Grammy® winning engineers, Pyramix gives users Swiss precision and quality in every step of the audio production.



## Immersive Audio Made Simple World-Class RAVENNA Interface

Immersive sound, 3D sound, Atmos and Auro to name but a few of the names for it, the addition of height speakers to surround sound mixes in both music and audio for picture production has completely taken hold in the industry. Pyramix offers a 100% integrated X/Y/Z Panner which offers the ability to move mono or multichannel sources into speaker arrays of any size and in any standard or manually designed configuration. MassCore or Native Pyramix systems, Horus is the ultimate audio interface for any production scenario.

- OTT music and audio for picture production
- Gaming and VR content production
- Theatrical and experiential sound design
- Dolby Atmos, Auro3D, DTS X and other standard workflows

## Special Tools for Special Workflows Niche workflows supported like they should be

Some other workstations may be great for general workflows, and so is Pyramix. But, when it comes to ultra-specialised industries requiring a level of sophistication and extended usability in the toolkit, Pyramix shines through again.

- Archival / audio forensics / metadata editing
- ADR with VCube for video
- Source & destination editing for acoustic music
- DSD, DXD & SACD
- CD and digital download mastering
- Immersive sound design

## RAVENNA/ AES67

### Create a Pyramix Ecosystem with IP Audio

Imagine a world where every single input and output connection in your whole facility, from DAW to audio interface, pre-amp to speaker, room to room, was able to connect together without a need for a single patch bay. It is the RAVENNA world where, just as we are used to in our 'connected' lives, we can live in a studio environment having everything connected to everything else. In a RAVENNA network, Pyramix and Horus become nodes allowing routing from any input into the network to any number of outputs the user desires. If you can dream up the connection, Pyramix and Horus using RAVENNA can make it happen.



## MassCore Audio Engine

### Still the most Powerful Audio Engine ever

With one of the highest track counts available in any DAW, 384 tracks at 44.1/48kHz is just the beginning.

- 192 channels@96kHz / 96 channels@192kHz / 64 channels@DXD/DSD!

MassCore also allows for an immense number of mix busses, EQ's and Dynamics and metering at the same time. Relying on Intel processing but side stepping the issues and instabilities cause by using a 'host-based' paradigm of operation, MassCore presents the user with the stabilities, power and low latency features usually associated with proprietary hardware only. MassCore is more powerful than the rest, more cost effective in the short and long term, and more flexible than any other technology on the market today.

## Pyramix - Perfect for any workflow



### CD Mastering & Digital Release

"The first rule of mastering is 'do no harm', and with a system as transparent as Pyramix this is easily achieved."

- Bob Ludwig, Gateway Mastering - USA

- End to end mastering workflow
- DDP2/DDPi support
- Sample accurate fades
- Samplerate agnostic production
- Multiple CD albums per timeline

- Digital album publishing
- MP3/AAC/FLAC/Ogg Vorbis
- Hepta SRC algorithm
- Final Check loudness/true peak
- Source and Destination editing



### Classical Music Production

"Pyramix is essential to every part of our workflow. Being able to preserve high samplerates, even up to the mastering stage, is such a huge benefit to us."

- Morten Lindberg, 2L - Norway

- Pan Noir - Time Coherent Panner
- Source and Destination editing
- Automation Versioning
- Advanced track grouping
- MassCore audio engine

- Monitoring section with talkback
- Ultra-large track counts
- Multichannel fade editor
- Mixer/Timeline independence
- Record from 44.1 to DXD/DSD



### Post Production TV & Film

"The tight integration of the multiple Pyramix workstations in our seven TV / Radio stations' central network and asset management system is a very efficient and productive solution for us"

- Chongqing Broadcast Group - China

- In built, free reconform options
- ADR management package
- VCube Essentials video playback
- Final Check loudness/PPM meter
- Integrated chase synchronizer

- API for customized MAM integration
- Jog-Wheel editing support
- Database search engine
- MXF, AAF, FCP XML, OMF
- EuCon, Oasis, HUI support



### DXD/DSD & SACD Mastering

"Sometimes it's a relatively simple solo piano recording for SACD with 8 channels of DSD, sometimes a complicated live opera production or music post production with video. Whatever it is, we record it, edit it, mix it, and master it with Pyramix."

- Everett Porter, Polyhymnia - Holland

- Complete DXD/DSD workflow
- 48 tracks of DXD/DSD recording
- DXD SRC for editing and mixing
- SACD authoring tool

- Horus DXD/DSD converter
- DST estimator tool
- CD Production from DSD masters
- All DSD file formats (DFF,DSF,WSD)



### Live & OB Recording

"Live recording for large scale events is all about reliability, so for us Pyramix was the only choice."

- Mike Hatch, Floating Earth - UK

- Ultra-high track count recordings
- Proven stability
- Record any file type
- Multiple record destinations
- Simplified live recording interface

- Elite user base in live & OB recording
- "Safe record" settings
- Unlimited record-file size
- Portable, small footprint solutions
- Robust hardware design



### Immersive Sound Design

"For our experiential events, being able to create buses which replicate our dome and other immersive arrays makes the content creation process so simple, even when under pressure from the most intense of producers."

- Davey Williamson, Delta Sound - UK

- User definable speaker arrays
- Aggregate multiple buses
- Percentage panning

- Distance panning
- 3D mouse integration
- Validated with B Format/Binaural tools



## Pyramix Software available in the following packages:

- Pyramix Essentials** A low cost basic version for any Pyramix user. Perfect as a craft editor, basic mastering station, field recorder or any other smaller endeavour, Pyramix Essentials is a great tool.
- Pyramix Native** The perfect tool for acoustic music production, radio production and mastering. Pyramix software is the award winning workstation used by many of the world's most respected acoustical sound engineers. Pyramix Native gives you all the tools you will need to capture, edit, mix and master your next music production in a cost effective solution.
- Pyramix Native Pro** When you need more power, more tracks and higher sample rates, you need to go Pro. This extended version is ideal for use in music and music mastering, as well as post production for radio, film and TV; matched with sample rate support up to 384 kHz and DXD/DSD256!
- Pyramix MassCore** When low latency is essential and your studio needs to rely on a stable, proprietary DSP engine, MassCore is the answer. Pyramix MassCore Standard comes with a basic set of software features along with possibly the lowest guaranteed latency from In->Out ever seen, and native engine connectivity to RAVENNA & AES67 AoIP technology.
- Pyramix MassCore Pro** This Pyramix pack is designed for professionals. Get the advantages of MassCore's power and low latency, combined with almost every advanced software tool Pyramix has to offer. MassCore Pro offers truly extended 3D. Create speaker outputs in configurations of up to 128 speakers, allowing users to explore the world of immersive audio in ways never possible before.
- Pyramix MassCore Extended** If extended track count possibilities (3x that of MassCore Pro), low latency and immense I/O capabilities are what you need then MassCore Extended is the choice for you. With additional multi-core MassCore Engine, this is by far the most powerful DAW you will ever find.

## Pyramix is available with the following choice of Audio Engine:

- MassCore:** Merging Technologies' proprietary audio engine. MassCore is by far the most powerful yet cost-effective hardware/software audio DSP available.  
Features:
- Up to 384 Inputs and Outputs, along with 256 Busses @ 1FS
  - Operating sample rates from 44.1kHz up to 384kHz (DXD) & DSD (DSD64, DSD128, DSD256)
  - Latency as low as 5.33ms from Live In to Live Out
  - Connect to all Merging's Networked Audio Interfaces using RAVENNA.
- Native (ASIO):** For smaller budgets and for use with laptops, the Native Audio Engine uses standard ASIO drivers to connect to any 3rd party audio interface and Merging supplied RAVENNA ASIO driver to connect to Merging Networked Audio Interfaces. From USB and FireWire to PCI and PCIe or Ethernet, if it connects with the computer, Pyramix is ready for use with 32 or 64bit Windows OS.  
Features:
- Up to 128 channels @1FS
  - Operating sample rates from 44.1kHz up to 384kHz (DXD) & DSD (DSD64, DSD128, DSD256)
  - Use any ASIO device for audio I/O
- \* Both audio engines can be used with the Ovation Turnkey Chassis



For information regarding **silent** or **4U branded** turnkey chassis, please contact your local Merging representative



### PYRAMIX - Turnkey Chassis Specifications

Case material	Cold rolled steel
Weight	9.5kg
Dimensions (2U rack mounting)	483 x 357 x 88mm
Voltage (AC)	90V-260V, 47-63 Hz
Indicators	On/Off, LAN, HDD
System drive	120GB SSD
Storage	up to 2xHDD (3.5")
Operating system	Windows 64bit

### HORUS - Merging Technologies flagship audio interface

- World renowned analog signal path
- Completely transparent mic pre-amps
- MADI, AES/EBU & HDX digital interfaces
- Over 400 I/O in a 2U chassis



### HAPI - smaller than Horus, but with every bit of the quality and flexibility

- Small 1U form factor
- Rotary encoder for configuration, settings and volume
- Web browser remote control.
- DC power supply option
- The same analog and digital options as Horus

### AES67 & RAVENNA:

- Industry standard for Audio over IP
- Compatible with newer Dante devices
- Operates on existing network infrastructure
- Operates in shared traffic environments (w/QoS)
- Hundreds of ultra-low latency audio channels on CAT6



Pyramix and all Pyramix options are products of Merging Technologies.

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