

# Opera

Real organ experience



**VISCOUNT**  
THE ART OF SOUND

The majestic excellence  
for wide venues

# Opera



# Opera

The Opera line represents Viscount's premium range of digital organs.

The Opera line is indeed the pinnacle of Italian technology and craftsmanship in the field of musical instruments; its organs embody the perfect fusion of tradition and innovation, in order to offer the ultimate sound experience.

The Physis Plus technology ensures that every detail of the pipe organ, from the resonance of the pipes to the response of the keys, is meticulously cared for, thus guaranteeing a flawless performance. The versatility of the instrument allows musicians to explore a wide repertoire, adapting perfectly to different musical genres and styles.

The intuitive and user-friendly interface makes the Opera line accessible to beginners and professionals alike, allowing for easy customisation of settings. In addition, the elegant and refined design adds a touch of class to any venue/location, be it a church, an auditorium or a concert hall.

Opera organs are not simply musical instruments, but true works of art that celebrate Italian craftsmanship and ingenuity, offering musicians an extraordinary platform to express their creativity and passion.

*"There is nothing to playing the organ. You only have to hit the right notes at the right time and the instrument plays itself."*

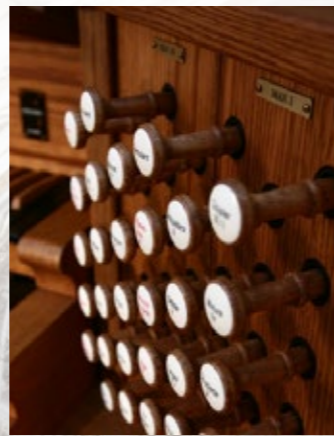
Johann Sebastian Bach

# Physis Plus Technology



Physis Plus represents the natural and powerful evolution of our patented and well-known Physis (Physical modeling) technology. How does it differ from the current one?

We developed a technological combination of our proprietary physical models and an artificial intelligence algorithm we call MORIS®, a Viscount Deep Learning complex procedure that made it possible to achieve a new level of sound richness. This algorithm is able to learn and capture new acoustic features of typical organ sounds, starting from which it provides estimates of the parameters of a pipe physical model; thereby, it makes our new physical models incredibly realistic both in terms of harmonics and keyboard feeling.



Usually, when constructing an organ stop, the first things to determine are the physical features of each pipe in every detail, such as the diameter, width and height of the mouth, the shape of the resonator tube – if any – the stopper and chimney, etc. All these elements together define the timbre of each pipe. In our case the work is done 'backwards'; Starting from a set of homogeneous reeds (a rank) we let the deep learning algorithm listen to them, analyzing every smallest detail, until determining, with a good approximation, how the sound object that determined that timbre is made. This work, done by the MORIS®, is therefore comparable to the work of the organ builder.

The output thus obtained is a sounding voice, but it is still "raw" at this stage. To achieve voices of good aesthetic and artistic quality, a musician and a sound designer come into play; their intervention is comparable to that of the pipe tuner, who analyzes the sounds one by one and refines them to make them sound good individually, and also well harmonized with the other voices.



## Standard features

The Opera line is equipped with a series of standard features that are common to all models, providing maximum comfort in all environments in which it is installed.

For example:

- Pedalboard lighting
- Illuminated music stand
- Numerous outputs to ensure wide possibilities for routing the speakers
- Predisposition for the DANTE ® interface
- Compatibility with all the best optional keyboards available
- Remote control

# Craftsmanship

We always pay the utmost attention to the manufacture and design of our organs, taking care of the smallest details and finishes in compliance with environmental sustainability.

We carefully select the finest materials to give our customers a premium feel.

Each Viscount organ around the world is created and produced in our headquarters in Mondaino, Italy, following a series of operations within our factory, from the raw wood to the final testing. Owning a Viscount instrument means having in your hands a prestigious piece of art that will last over time.



# Customization

Our in-house joinery and painting departments enable us to offer a wide range of customisation options, including paint, finishes, colours and wood types and grains, as well as joinery works such as customized music stands, benches, embellishments and ornaments.

Each instrument is crafted with the utmost attention to detail using only the finest materials to ensure that each musician has a unique instrument.

## Standard keyboard

This keys offer the highest quality-price ratio in order to have a reliable organ feeling on each model.



## Wooden covered Keyboard

These keys are made of a combination of dark plastic bases and a beautiful wood cover on top offering a great feeling for the organist.



## AWK Viscount premium keyboard

This patented keyboard is the top choice for every organist: being made of full top quality wood and giving the possibility of adjustments, it provides the feeling of a real organ experience.



**New Rocker tabs**  
Modern and with a clean aesthetics, easy to press and release, defining our new standard for all the Physis Plus organs.



The new rocker tabs are available also in a wooden covered finish, with the lights (On/off). They confer a valuable classical glance and elegance even to the most simple organ.





# Dante®

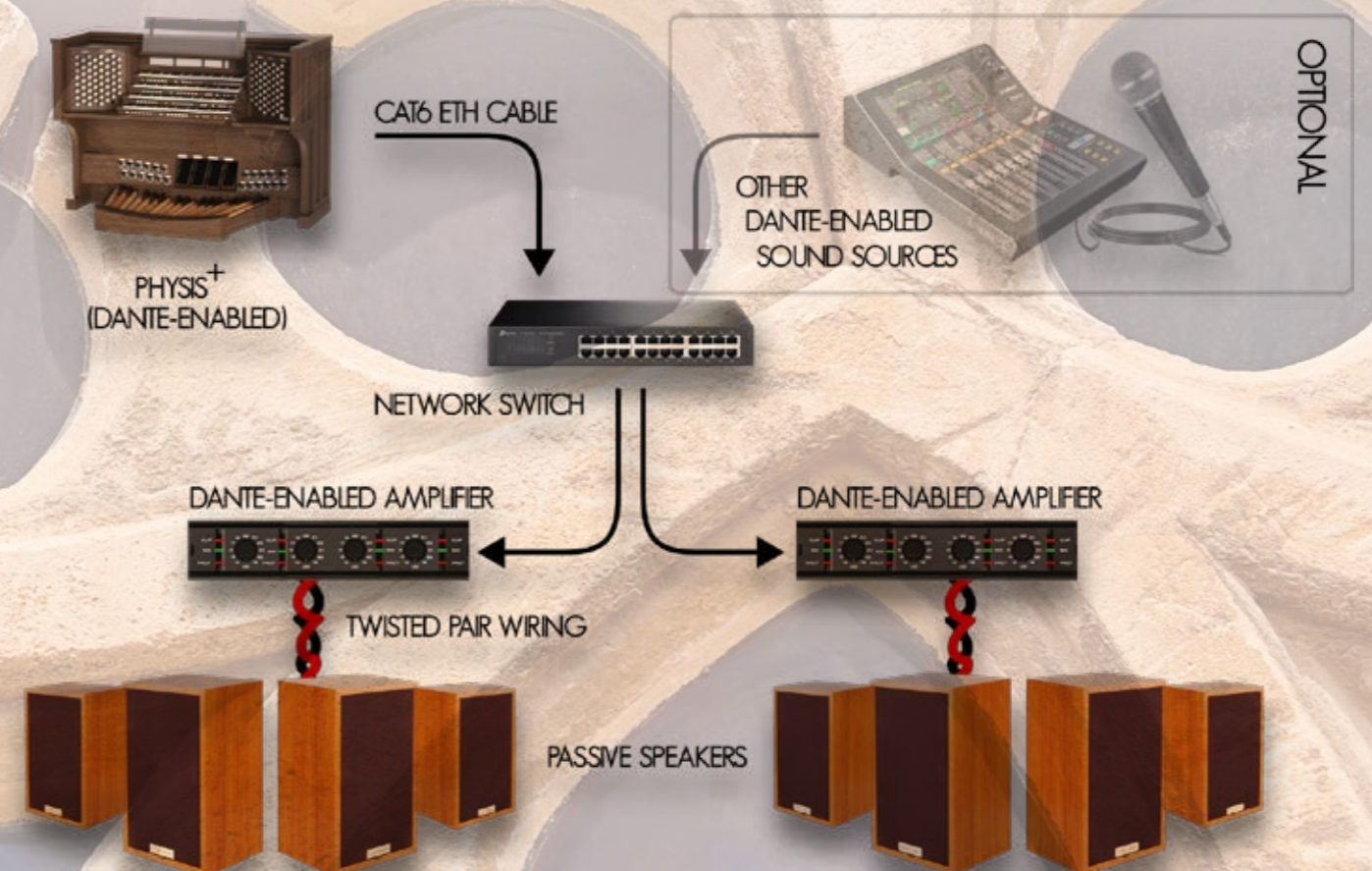
DANTE® (acronym for Digital Audio Network Through Ethernet) is a network protocol developed by Audinate® for the digital, multi-channel distribution of audio signals over Ethernet, without the complexity and limitations of other common connectivity solutions. It is easy to configure and manage because devices (with DANTE® technology) recognise each other and share their data (number of input and output channels, supported sample rate and bit depth, etc.).

## Applications

You can manage 32 digital outputs over an Ethernet cable.

The DANTE® enabled card is installed as an alternative to the DAC module and provides an additional 31-band EQ for each output channel, in addition to the standard 5-band EQ!

A simple network cable can be used to run from the organ to a network switch and then into the amplifiers. You can drive 4 independent speakers from a single amplifier. Go further with less cabling and more audio quality!

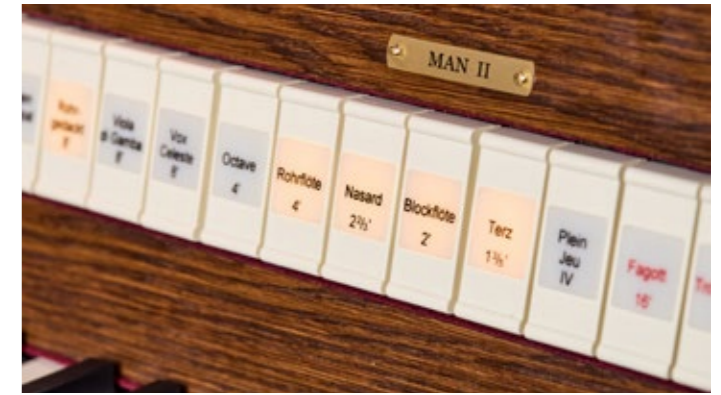
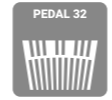


# Opera 200



# Opera 200

- Compact but finely designed cabinet which boasts clean lines and top class finishes.
- Crafted with High quality materials up to the most subtle detail.
- Comfortable tilt-tab layout offering a complete tonal disposition.
- State of the Art 24 bit advanced reverb.
- Class D amplifier on a 6 channel console amplification.
- Powered by the Physis Plus platform.



## STOPS: 41

### PED: 12

### MAN I: 14

### MAN II: 15

## PEDAL

- Untersatz 32'
- Principalbass 16'
- Subbass 16'
- Bourdon 16'
- Violonbass 16
- Octavbass 8'
- Gedackt 8'
- Choralbass 4'
- Mixtur IV
- Contra Bombarde 32
- Posaune 16'
- Trompete 8'
- I / Ped
- II / Ped

## MAN I

- Principal 16'
- Principal 8'
- Flûte Harmonique 8'
- Gedackt 8'
- Unda Maris 8'
- Octave 4'
- Spitzflöte 4'
- Quinte 2 2/3'
- Superoctave 2'
- Mixtur V
- Kornett IV
- Contra Trompete 16'
- Trompete 8'
- Krummhorn 4'
- Tremulant
- II / I

## MAN II

- Bourdon 16'
- Geigen Principal 8'
- Rohrgedackt 8'
- Viola di Gamba 8'
- Vox Celeste 8'
- Octave 4'
- Rohrflöte 4'
- Nasard 2 2/3'
- Blockflöte 2'
- Terz 1 3/5'
- Plein Jeu IV
- Fagott 16'
- Trompete 8'
- Oboe 8'
- Clairon 4'
- Tremulant

# Specifications

## Opera 200

OVERVIEW	
<b>Technology</b>	<b>Physis Plus</b> Advanced Physical Modelling
<b>Manuals</b>	2
<b>Total Stop Controls</b>	41 Organ + 6 Orchestral
<b>Pedal</b>	12
<b>MAN I</b>	14
<b>MAN II</b>	15
<b>Alternative Organ Voices</b>	5 or more on each tab
<b>Alternative Orchestral Voices</b>	30 or more on each orchestral tab
<b>Couplers</b>	3
<b>Memory Locations</b>	1000 (000 - 999)
<b>Memory slots</b>	9
<b>Total Memory loc.</b>	9000
<b>Piston Sequencer</b>	Two sets of thumb pistons; Two toe pistons
<b>Speakers Controls</b>	Console, External
DIMENSIONS	
<b>Height (excluding music desk)</b>	cm 114,5 - 45"
<b>Height (including music desk)</b>	cm 125 - 49,2"
<b>Width</b>	cm 145,8 - 57,4"
<b>Depth (excluding pedal board)</b>	cm 69 - 27,1"
<b>Depth (including pedal board)</b>	cm 111,2 - 43,7"
<b>Weight</b>	Kg 149 - Lbs 328,4
CABINET	
<b>Wood Veneer</b>	Dark oak, Light oak
ACCESSORIES	
<b>Bench</b>	With Music Storage shelf
<b>Adjustable Bench</b>	Optional
<b>MIDI Enable</b>	Yes (Front rail)
<b>Orchestra and Midi Sustain</b>	Side Switch on Expression Pedal
DISPLAY	
<b>Display Dimensions</b>	128 x 64 dots Graphic with Backlight
<b>Stops Voicing</b>	Available
<b>Divisional Volume</b>	Available
<b>Tremulant</b>	2 independents per section
<b>Reverb</b>	16 presets
<b>Ensemble Effect</b>	Adjustable
<b>Temperaments</b>	19 Historical + 4 user programmable
<b>Short Octave</b>	Available
<b>Keyboards Inversion</b>	Available
<b>Internal Routing</b>	Programmable for each stop
<b>Internal Equalizer</b>	5 Band Graphic EQ
<b>MIDI Sequencer</b>	Available
<b>File Manager</b>	Load, Save, Backup, Restore
<b>Lock Organ</b>	With Password

MUSIC DESK	
<b>Plexiglass Desk with Light</b>	Included
<b>Adjustable Desk</b>	Optional
MANUALS - KEYBOARDS	
<b>Standard Keyboards</b>	Available
<b>Wooden covered keyboard</b>	Optional
<b>Ivory / Wood Colored Plastic With Wooden Core</b>	Optional
<b>Viscount AWK Keyboards With Wooden Core</b>	Optional
PEDALBOARD	
<b>32 note Straight Concave or Flat, Radiating Concave</b>	Available
<b>32 note AGO</b>	Optional
CONNECTIONS	
<b>MIDI In - MIDI Out</b>	Available
<b>Aux In, Aux Out</b>	Available
<b>Headphones Out</b>	Available
<b>USB</b>	A-Type (USB pen) B-Type (Connection to Physis Editor)
EXTERNAL OUTPUTS	
<b>Channels</b>	4 programmable (optional: up to 28)
<b>Channel Assign</b>	Voice, General, Sub, Reverb
<b>Equalizer</b>	5 Band Graphic EQ for each channel, EQ for Sub
<b>Routing</b>	Programmable for each stop
<b>Volume</b>	Adjustable for each channel
REVERB SYSTEM	
<b>True Stereo Reverb</b>	16 new unique presets
<b>Additional Parameters</b>	Dry/Wet Early reflection Reverb tail Decay Time
<b>Left/Right</b>	Assignable to external outputs
SOUND AMPLIFICATION	
<b>Internal Amplifiers</b>	6 channels Class-D amplifier - 150W per channel
<b>Internal Speakers</b>	10 total   4 tweeter   4 mid-range   2 x 10" woofer
<b>Channel Assignable</b>	Reverb LR   General   Sub
PIPE SETS	
<b>Modern, Baroque, Romantic, Symphonic, English Cathedral + 5 assignable sets</b>	
DISPLAY MENU FUNCTIONS	
<b>Temperaments</b>	Available
<b>Pipe Set</b>	Available
<b>Pitch</b>	Available
<b>Crescendo Steps</b>	Available
<b>2x Expression Pedals Level</b>	Available
<b>Transposer</b>	Available
<b>Quick Access</b>	Levels (Master, Reverb, Ext Out, ...); Songs



Opera 250

# Opera 250

- The most traditional aesthetic to maintain the historical and visual integrity of many churches and concert halls.
- Large and inclined side jambs for the best stops visibility and drawknob operation.
- Digital reproduction of the tracker touch and noise effect for the best mechanical organ feeling.
- Large library of alternative organ stops.
- Powered by the Physis Plus platform.



- 2 MANUALS
- CHapel / SMALL CHURCH
- HOME ORGANS
- PEDAL 32



## STOPS: 33

### PED: 8

### MAN I: 12

### MAN II: 13

PEDAL	MAN I	MAN II
Principalbass 16'	Bourdon 16'	Rohrgedackt 8'
Subbass 16'	Principal 8'	Viola di Gamba 8'
Octavbass 8'	Gedackt 8'	Vox Celeste 8'
Gedackt 8'	Octave 4'	Octave 4'
Choralbass 4'	Spitzflöte 4'	Rohrflöte 4'
Contra Bombarde 32'	Quinte 2 2/3'	Nasard 2 2/3'
Posaune 16'	Superoctave 2'	Blockflöte 2'
Trompete 8'	Mixtur V	Terz 1 3/5'
I 8'	Kornett IV	Plein Jeu IV
II 8'	Contra Trompete 16'	Fagott 16'
II 4'	Trompete 8'	Trompete 8'
	Krummhorn 8'	Oboe 8'
	Tremulant	Clairon 4'
	II 16'	Tremulant
	II 8'	II 16'
	II 4'	II 8' Off
		II 4'

# Specifications

## Opera 250

OVERVIEW	
<b>Technology</b>	<b>Physis Plus</b> Advanced Physical Modelling
<b>Manuals</b>	2
<b>Total Stop Controls</b>	33 Organ + 6 Orchestral
<b>Pedal</b>	8
<b>MAN I</b>	12
<b>MAN II</b>	13
<b>Alternative Organ Voices</b>	5 or more on each drawknob
<b>Alternative Orchestral Voices</b>	30 or more on each orchestral drawknob
<b>Couplers</b>	9
<b>Memory Locations</b>	1000 (000 - 999)
<b>Memory slots</b>	9
<b>Total Memory loc.</b>	9000
<b>Piston Sequencer</b>	Two sets of thumb pistons; Two toe pistons
<b>Speakers Controls</b>	Console, External
DIMENSIONS	
<b>Height (excluding music desk)</b>	cm 114,5 - 45"
<b>Height (including music desk)</b>	cm 125 - 49,2"
<b>Width</b>	cm 145,8 - 57,4"
<b>Depth (excluding pedal board)</b>	cm 69 - 27,1"
<b>Depth (including pedal board)</b>	cm 111,2 - 43,7"
<b>Weight</b>	Kg 149 - Lbs 328,4
CABINET	
<b>Wood Veneer</b>	Dark oak, Light oak
ACCESSORIES	
<b>Bench</b>	With Music Storage shelf
<b>Adjustable Bench</b>	Optional
<b>MIDI Enable</b>	Yes (Front rail)
<b>Orchestra and Midi Sustain</b>	Side Switch on Expression Pedal
DISPLAY	
<b>Display Dimensions</b>	128 x 64 dots Graphic with Backlight
<b>Stops Voicing</b>	Available
<b>Divisional Volume</b>	Available
<b>Tremulant</b>	2 independent for each division
<b>Reverb</b>	16 presets
<b>Ensemble Effect</b>	Adjustable
<b>Temperaments</b>	19 Historical + 4 user programmable
<b>Short Octave</b>	Available
<b>Keyboards Inversion</b>	Available
<b>Internal Routing</b>	Programmable for each stop
<b>Internal Equalizer</b>	5 Band Graphic EQ
<b>MIDI Sequencer</b>	Available
<b>File Manager</b>	Load, Save, Backup, Restore
<b>Lock Organ</b>	With Password

MUSIC DESK	
<b>Plexiglass Desk with Light</b>	Included
<b>Adjustable Desk</b>	Optional
MANUALS - KEYBOARDS	
<b>Standard Keyboards</b>	Available
<b>Wooden covered keyboard</b>	Optional
<b>Ivory / Wood Colored Plastic With Wooden Core</b>	Optional
<b>Viscount AWK Keyboards With Wooden Core</b>	Optional
PEDALBOARD	
<b>32 note Straight Concave or Flat, Radiating Concave</b>	Available
<b>32 note AGO</b>	Optional
CONNECTIONS	
<b>MIDI In - MIDI Out</b>	Available
<b>Aux In, Aux Out</b>	Available
<b>Headphones Out</b>	Available
<b>USB</b>	A-Type (USB pen) B-Type (Connection to Physis Editor)
EXTERNAL OUTPUTS	
<b>Channels</b>	4 programmable (optional: up to 28)
<b>Channel Assign</b>	Voice, General, Sub, Reverb
<b>Equalizer</b>	5 Band Graphic EQ for each channel, EQ for Sub
<b>Routing</b>	Programmable for each stop
<b>Volume</b>	Adjustable for each channel
REVERB SYSTEM	
<b>True Stereo Reverb</b>	16 new unique presets
<b>Additional Parameters</b>	Dry/Wet Early reflection Reverb tail
<b>Left/Right</b>	Assignable to external outputs
SOUND AMPLIFICATION	
<b>Internal Amplifiers</b>	6 channels Class-D amplifier - 150W per channel
<b>Internal Speakers</b>	10 total   4 tweeter   4 mid-range   2 x 10" woofer
<b>Channel Assignable</b>	Reverb LR   General   Sub
PIPE SETS	
<b>Modern, Baroque, Romantic, Symphonic, English Cathedral + 5 assignable sets</b>	
DISPLAY MENU FUNCTIONS	
<b>Temperaments</b>	Available
<b>Pipe Set</b>	Available
<b>Pitch</b>	Available
<b>Crescendo Steps</b>	Available
<b>2x Expression Pedals Level</b>	Available
<b>Transposer</b>	Available
<b>Quick Access</b>	Levels (Master, Reverb, Ext Out, ...); Songs

# Opera 400



# Opera 400

- A large 3 manual console which gives a stunning focal point in any space, adding grandeur and elegance.
- Large tonal layout able to satisfy the most demanding organist.
- Complete offer of sub and super couplers and a full set of toe and thumb pistons
- Windows / Mac / Ipad editor for the most accurate voicing, Extended library of organ stops
- Up to 9000 memory locations - USB capabilities
- Up to 28 external channels with a stop by stop routing capabilities and wind chest reproduction
- DANTE ® Digital audio interface available on request
- Powered by the Physis Plus platform



**STOPS: 55**

**PED: 12**

**MAN I: 11**

**MAN II: 15**

**MAN III: 17**

PEDAL	MAN I	MAN II	MAN III
Untersatz 32'	Rohrgedackt 8'	Principal 16'	Bourdon 16'
Principalbass 16'	Quintadena 8'	Principal 8'	Geigen Principal 8'
Subbass 16'	Principal 4'	Flûte Harmonique 8'	Rohrgedackt 8'
Bourdon 16'	Gedacktflöte 4'	Gedackt 8'	Viola di Gamba 8'
Violonbass 16'	Octave 2'	Gamba 8'	Vox Celeste 8'
Octavbass 8'	Sesquialtera II	Unda Maris 8'	Octave 4'
Gedackt 8'	Quinte 1 1/3'	Octave 4'	Rohrflöte 4'
Choralbass 4'	Siffloete 1'	Spitzflöte 4'	Salicet 4'
Mixtur IV	Scharff III	Quinte 2 2/3'	Nasard 2 2/3'
Contra Bombarde 32'	Dulzian 16'	Superoctave 2'	Blockflöte 2'
Posaune 16'	Cromorne 8'	Mixtur V	Terz 1 3/5'
Trompete 8'	Tremulant	Kornett IV	Plein Jeu IV
II 8'	I 16'	Contra Trompete 16'	Fagott 16'
III 8'	III 16'	Trompete 8'	Trompete 8'
III 4'	III 8'	Klarine 4'	Oboe 8'
I 8'	III 4'	Tremulant	Vox Humana 8'
		III 16'	Clairon 4'
		III 8'	Tremulant
		III 4'	III 16'
		I 8'	III 8' Off
			III 4'

# Specifications

## Opera 400

OVERVIEW	
<b>Technology</b>	<b>Physis Plus</b> Advanced Physical Modelling
<b>Manuals</b>	3
<b>Total Stop Controls</b>	55 Organ + 8 Orchestral
<b>Pedal</b>	12
<b>MAN I</b>	11
<b>MAN II</b>	15
<b>MAN III</b>	17
<b>Alternative Organ Voices</b>	5 or more on each tab
<b>Alternative Orchestral Voices</b>	30 or more overall
<b>Couplers</b>	15
<b>Memory Locations</b>	1000 (000 - 999)
<b>Memory slots</b>	9
<b>Total Memory loc.</b>	9000
<b>Piston Sequencer</b>	Two sets of thumb pistons; Two toe pistons
<b>Speakers Controls</b>	Console, External
DIMENSIONS	
<b>Height (excluding music desk)</b>	cm 124,4 - 49"
<b>Height (including music desk)</b>	cm 147,9 - 58,2"
<b>Width</b>	cm 164,1 - 64,6"
<b>Depth (excluding pedal board)</b>	cm 70,7 - 27,8"
<b>Depth (including pedal board)</b>	cm 111,2 - 43,7"
<b>Weight</b>	Kg 195 - Lbs 430
CABINET	
<b>Wood Veneer</b>	Dark oak, Light oak
ACCESSORIES	
<b>Bench</b>	With Music Storage shelf
<b>Adjustable Bench</b>	Optional
<b>MIDI Enable</b>	Yes (Front rail)
<b>Orchestra and Midi Sustain</b>	Side Switch on Expression Pedal
DISPLAY	
<b>Display Dimensions</b>	128 x 64 dots Graphic with Backlight
<b>Stops Voicing</b>	Available
<b>Divisional Volume</b>	Available
<b>Tremulant</b>	2 independent for each division
<b>Reverb</b>	16 presets
<b>Ensemble Effect</b>	Adjustable
<b>Temperaments</b>	19 Historical + 4 user programmable
<b>Short Octave</b>	Available
<b>Keyboards Inversion</b>	Available
<b>Internal Routing</b>	Programmable for each stop
<b>Internal Equalizer</b>	5 Band Graphic EQ
<b>MIDI Sequencer</b>	Available
<b>File Manager</b>	Load, Save, Backup, Restore
<b>Lock Organ</b>	With Password

MUSIC DESK	
<b>Plexiglass Desk with Light</b>	Included
<b>Adjustable Desk</b>	Optional
MANUALS - KEYBOARDS	
<b>Standard Keyboards</b>	Available
<b>Wooden covered keyboard</b>	Optional
<b>Ivory / Wood Colored Plastic With Wooden Core</b>	Optional
<b>Viscount AWK Keyboards With Wooden Core</b>	Optional
PEDALBOARD	
<b>32 note Straight Concave or Flat, Radiating Concave</b>	Available
<b>32 note AGO</b>	Optional
CONNECTIONS	
<b>MIDI In - MIDI Out</b>	Available
<b>Aux In, Aux Out</b>	Available
<b>Headphones Out</b>	Available
<b>USB</b>	A-Type (USB pen) B-Type (Connection to Physis Editor)
EXTERNAL OUTPUTS	
<b>Channels</b>	12 programmable (optional: up to 28)
<b>Channel Assign</b>	Voice, General, Sub, Reverb
<b>Equalizer</b>	5 Band Graphic EQ for each channel, EQ for Sub
<b>Routing</b>	Programmable for each stop
<b>Volume</b>	Adjustable for each channel
REVERB SYSTEM	
<b>True Stereo Reverb</b>	16 new unique presets
<b>Additional Parameters</b>	Dry/Wet Early reflection Reverb tail
<b>Left/Right</b>	Assignable to external outputs
SOUND AMPLIFICATION	
<b>Internal Amplifiers</b>	6 channels Class-D amplifier - 150W per channel
<b>Internal Speakers</b>	10 total   4 tweeter   4 mid-range   2 x 10" woofer
<b>Channel Assignable</b>	Reverb LR   General   Sub
PIPE SETS	
<b>Modern, Baroque, Romantic, Symphonic, English Cathedral + 5 assignable sets</b>	
DISPLAY MENU FUNCTIONS	
<b>Temperaments</b>	Available
<b>Pipe Set</b>	Available
<b>Pitch</b>	Available
<b>Crescendo Steps</b>	Available
<b>2x Expression Pedals Level</b>	Available
<b>Transposer</b>	Available
<b>Quick Access</b>	Levels (Master, Reverb, Ext Out, ...); Songs

# Opera 450



# Opera 450

- A 3 manual drawknob cabinet meticulously crafted to fit large spaces.
- Its imposing presence can significantly enhance the visual appeal of churches, concert halls, and other venues.
- Large tonal layout, complete offer of sub and super couplers and a full set of toe and thumb pistons.
- Up to 28 external channels with a stop by stop routing capabilities and wind chest reproduction.
- Up to 9000 memory locations - USB capabilities.
- Windows / Mac / Ipad editor for the most accurate voicing, Extended library of organ stops.
- DANTE © Digital audio interface available on request.
- Powered by the Physis Plus platform.



- 3 MANUALS
- WIDE VENUES
- CATHEDRAL
- SCHOOL & LITERATURE
- PEDAL 30



## STOPS: 54

### PED: 12

### MAN I: 11

### MAN II: 15

### MAN III: 16

PEDAL	MAN I	MAN II	MAN III
Untersatz 32'	Rohrgedackt 8'	Principal 16'	Bourdon 16'
Principalbass 16'	Quintadena 8'	Principal 8'	Geigen Principal 8'
Subbass 16'	Principal 4'	Flûte Harmonique 8'	Rohrgedackt 8'
Bourdon 16'	Gedacktflöte 4'	Gedackt 8'	Viola di Gamba 8'
Violonbass 16'	Octave 2'	Gamba 8'	Vox Celeste 8'
Octavbass 8'	Sesquialtera II	Unda Maris 8'	Octave 4'
Gedackt 8'	Quinte 1 1/3'	Octave 4'	Rohrflöte 4'
Choralbass 4'	Siffflöte 1'	Spitzflöte 4'	Nasard 2 2/3'
Mixtur IV	Scharff III	Quinte 2 2/3'	Blockflöte 2'
Contra Bombarde 32'	Dulzian 16'	Superoctave 2'	Terz 1 3/5'
Posaune 16'	Cromorne 8'	Mixtur V	Plein Jeu IV
Trompette 8'	Tremulant	Kornett IV	Fagott 16'
II 8'	I 16'	Contra Trompette 16'	Trompette 8'
III 8'	III 16'	Trompette 8'	Oboe 8'
III 4'	III 8'	Klarine 4'	Vox Humana 8'
I 8'	III 4'	Tremulant	Clairon 4'
		III 16'	Tremulant
		III 8'	III 16'
		III 4'	III 8' Off
		I 8'	III 4'

# Specifications

## Opera 450

OVERVIEW	
<b>Technology</b>	<b>Physis Plus</b> Advanced Physical Modelling
<b>Manuals</b>	3
<b>Total Stop Controls</b>	54 Organ + 7 Orchestral
<b>Pedal</b>	12
<b>MAN I</b>	11
<b>MAN II</b>	15
<b>MAN III</b>	16
<b>Alternative Organ Voices</b>	5 or more on each tab
<b>Alternative Orchestral Voices</b>	30 or more overall
<b>Couplers</b>	15
<b>Memory Locations</b>	1000 (000 - 999)
<b>Memory slots</b>	9
<b>Total Memory loc.</b>	9000
<b>Piston Sequencer</b>	Two sets of thumb pistons; Two toe pistons
<b>Speakers Controls</b>	Console, External
DIMENSIONS	
<b>Height (excluding music desk)</b>	cm 124,4 - 49"
<b>Height (including music desk)</b>	cm 147,9 - 58,22"
<b>Width</b>	cm 164,1 - 64,6"
<b>Depth (excluding pedal board)</b>	cm 70,7 - 27,8"
<b>Depth (including pedal board)</b>	cm 111,2 - 43,7"
<b>Weight</b>	Kg 195 - Lbs 430
CABINET	
<b>Wood Veneer</b>	Dark oak, Light oak
ACCESSORIES	
<b>Bench</b>	With Music Storage shelf
<b>Adjustable Bench</b>	Optional
<b>MIDI Enable</b>	Yes (Front rail)
<b>Orchestra and Midi Sustain</b>	Side Switch on Expression Pedal
DISPLAY	
<b>Display Dimensions</b>	128 x 64 dots Graphic with Backlight
<b>Stops Voicing</b>	Available
<b>Divisional Volume</b>	Available
<b>Tremulant</b>	2 independent for each division
<b>Reverb</b>	16 presets
<b>Ensemble Effect</b>	Adjustable
<b>Temperaments</b>	19 Historical + 4 user programmable
<b>Short Octave</b>	Available
<b>Keyboards Inversion</b>	Available
<b>Internal Routing</b>	Programmable for each stop
<b>Internal Equalizer</b>	5 Band Graphic EQ
<b>MIDI Sequencer</b>	Available
<b>File Manager</b>	Load, Save, Backup, Restore
<b>Lock Organ</b>	With Password

MUSIC DESK	
<b>Plexiglass Desk with Light</b>	Included
<b>Adjustable Desk</b>	Optional
MANUALS - KEYBOARDS	
<b>Standard Keyboards</b>	Available
<b>Wooden covered keyboard</b>	Optional
<b>Ivory / Wood Colored Plastic With Wooden Core</b>	Optional
<b>Viscount AWK Keyboards With Wooden Core</b>	Optional
PEDALBOARD	
<b>32 note Straight Concave or Flat, Radiating Concave</b>	Available
<b>32 note AGO</b>	Optional
CONNECTIONS	
<b>MIDI In - MIDI Out</b>	Available
<b>Aux In, Aux Out</b>	Available
<b>Headphones Out</b>	Available
<b>USB</b>	A-Type (USB pen) B-Type (Connection to Physis Editor)
EXTERNAL OUTPUTS	
<b>Channels</b>	12 programmable (optional: up to 28)
<b>Channel Assign</b>	Voice, General, Sub, Reverb
<b>Equalizer</b>	5 Band Graphic EQ for each channel, EQ for Sub
<b>Routing</b>	Programmable for each stop
<b>Volume</b>	Adjustable for each channel
REVERB SYSTEM	
<b>True Stereo Reverb</b>	16 new unique presets
<b>Additional Parameters</b>	Dry/Wet Early reflection Reverb tail
<b>Left/Right</b>	Assignable to external outputs
SOUND AMPLIFICATION	
<b>Internal Amplifiers</b>	6 channels Class-D amplifier - 150W per channel
<b>Internal Speakers</b>	10 total   4 tweeter   4 mid-range   2 x 10" woofer
<b>Channel Assignable</b>	Reverb LR   General   Sub
PIPE SETS	
<b>Modern, Baroque, Romantic, Symphonic, English Cathedral + 5 assignable sets</b>	
DISPLAY MENU FUNCTIONS	
<b>Temperaments</b>	Available
<b>Pipe Set</b>	Available
<b>Pitch</b>	Available
<b>Crescendo Steps</b>	Available
<b>2x Expression Pedals Level</b>	Available
<b>Transposer</b>	Available
<b>Quick Access</b>	Levels (Master, Reverb, Ext Out, ...); Songs

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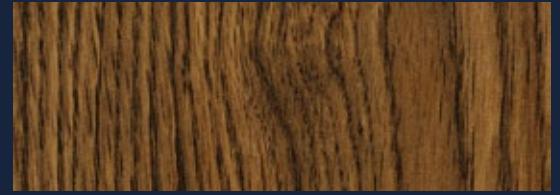
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We reserve the right to change specifications at any time and without prior notification, and without any obligation to update products already supplied.

It is important to note that color and wood matching may appear slightly different on the actual product.

# Colors

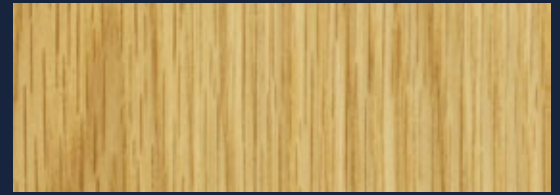
Dark oak



Light oak



Standard light oak deluxe



Standard medium oak deluxe



Standard dark oak deluxe



Custom special oak



Custom ebony



Custom All colors





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