

# Opera 450



**The majestic excellence for wide venues**

- Full availability of sound libraries
- Tracker Touch + Tracker Noise Effect for a true mechanical organ feeling
- Wide set of Sub and Super couplers
- Dante® audio system available to easily manage the outputs
- Enhanced editor area for intuitive routing
- State of the art craftsmanship





# SPECIFICATIONS

## OVERVIEW

|                                      |  |
|--------------------------------------|--|
| <b>Technology</b>                    | Physisplus 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 drawknob                 |
| <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                          |
| <b>DIMENSIONS</b>                    |  |
| <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                           |
| <b>CABINET</b>                       |  |
| <b>Wood Veneer</b>                   | Dark oak, Light oak                        |
| <b>ACCESSORIES</b>                   |  |
| <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            |
| <b>DISPLAY</b>                       |  |
| <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   |
| <b>MUSIC DESK</b>  |   |
| <b>Plexiglass Desk with Light</b>  | Included  |
| <b>Adjustable Desk</b>   | Optional  |
| <b>MANUALS - KEYBOARDS</b>   |   |
| <b>TP8 Standard</b>  | Available   |
| <b>TP8 Wood</b>  | Optional  |
| <b>TP60 LF/LW, TP65</b>  | Optional  |
| <b>Viscount AWK wooden Keyboard</b>  | Optional  |
| <b>PEDALBOARD</b>  |   |
| <b>32 note Straight Concave or Flat, Radiating Concave</b>                         | Available   |
| <b>32 note AGO</b>   | Optional  |
| <b>CONNECTIONS</b>   |   |
| <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) |
| <b>EXTERNAL OUTPUTS</b>  |   |
| <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                           |
| <b>REVERB SYSTEM</b>   |   |
| <b>True Stereo Reverb</b>  | 16 new unique presets                                 |
| <b>Additional Parameters:</b>  | Wet/Dry<br>Early reflection<br>Reverb tail            |
| <b>Left/Right</b>  | Assignable to external outputs                        |
| <b>SOUND AMPLIFICATION</b>   |   |
| <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                             |
| <b>PIPE SETS</b>   |   |
| <b>Modern, Baroque, Romantic, Symphonic, English Cathedral + 5 assignable sets</b> |   |
| <b>DISPLAY MENU FUNCTIONS</b>  |   |
| <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          |

## STANDARD DISPOSITION

STOPS: 54 | PED: 12 | MAN I: 11 | MAN II: 15 | MAN III: 16

### PEDAL

Untersatz 32'  
Principalbass 16'  
Subbass 16'  
Bourdon 16'  
Violonbass 16'  
Octavbass 8'  
Gedackt 8'  
Choralbass 4'  
Mixture IV  
Contra Bombarde 32'  
Posaune 16'  
Trompete 8'  
II 8'  
III 8'  
III 4'  
I 8'

### MAN I

Rohrgedackt 8'  
Quintadena 8'  
Principal 4'  
Gedacktflöte 4'  
Octave 2'  
Sesquialtera II  
Quinte 1 1/3'  
Sifflöte 1'  
Scharff III  
Dulzian 16'  
Cromorne 8'  
Tremulant  
I 16'  
III 16'  
III 8'  
III 4'

### MAN II

Principal 16'  
Principal 8'  
Flöte Harmonique 8'  
Gedackt 8'  
Gamba 8'  
Unda Maris 8'  
Octave 4'  
Spitzflöte 4'  
Quinte 2 2/3'  
Superoctave 2'  
Mixture V  
Kornett IV  
Contra Trompete 16'  
Trompete 8'  
Klarine 4'  
Tremulant  
III 16'  
III 8'  
III 4'  
I 8'

### MAN III

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'  
Vox Humana 8'  
Clairon 4'  
Tremulant  
III 16'  
III 8'  
III 4'



## COLOURS

