SONUS 40
SONUS 40 DLX
SONUS 60
SONUS 60 DLX
It is frequently said that the most important stop on any instrument is the ambience. This is because the acoustics of a large reverberant space adds softness and scale to the sound. This is also an essential ingredient to achieve that majestic grandeur that is a signature of the sound of the pipe organ.

The new range of Sonus Viscount Organs has been specially designed to recreate the magnificence of the acoustics of a large reverberant space in a compact console, so that the organist can replicate the same exhilarating sound experience of a real pipe organ, directly in the living room or study.
SONUS, AN UNRIVALED DIMENSION OF SOUND...
Sonus, when physics inspires art...
THE BIGGEST ORGAN SOUND
IN THE SMALLEST VISCONTY CONSOLE

Starting from Physis sound generation technology, we have designed a revolution-ary system called RAR (Real Audio Rendering). The heart of the system is a powerful real-time sound processing algorithm that, in conjunction with four new additional audio channels located at specific points on the console, is able to recreate with great accuracy the acoustic field produced by a real pipe organ in a large reverberant space.

We have devoted special attention to the amplification system, in order to faithfully reproduce the impressive dynamics, the wide sound spectrum, and all the amazing spaciousness of the pipe organ sound. In addition to the traditional amplification, we placed two pairs of full-range speakers at strategic points on the console: one pair on the outside panels and one pair on the top stop jamb panel. In this way, as the sound comes from different positions, it is possible to simulate the multiple reflections of the walls, ceiling and floor of a large reverberant space. The effect is quite startling. You will experience a difference just as significant as that achieved when you add a surround sound system to your home television.

Thanks to RAR technology, you can totally manage the impression of three-dimensional space in which the instrument sits all the way up to a large cathedral setting. All this is possible without connecting any additional speaker. The versatility of the Physis technology, together with a painstaking study on the optimization of components, has allowed us to integrate the entire system inside the new organ consoles, in an extremely compact design.

AT THE CENTRE OF SOUND
A HIGH DEFINITION ORGAN

The detailed parameterization given by Physical Modelling, combined with the careful and lengthy work of components integration, has made the sound from the different speakers extremely natural. The result is a warm and enveloping sound, as well as detailed and transparent. You are clearly able to hear the individual stops even after the instrument has been built up to full organ. In this latter challenge, the innovative front speakers play a primary role. The high sound quality and the precisely calculated position allow them to add significant detail to the sound of the organ, highlighting the dynamic evolution of each individual rank’s timbre.

The new Viscount RAR (Real Audio Rendering) technology represents a significant step forward in terms of definition, spatiality and body of the sound, which is the most authentic way yet to create that magical effect of the most important organ stop – ‘the ambience’. Sitting at the console of the new Viscount Sonus, you will experience the most realistic impression of the instrument and its setting available from any digital organ you may care to play.

A MILESTONE FOR THE CLASSIC ORGAN

Sonus sets a new milestone in the reproduction of the classic organ sound as it effectively combines the unique RAR (Real Audio Rendering) and Physis technologies, both developed by the Viscount Research & Development department.

Physis® is a technology based on the creation of complex mathematical algorithms capable of simulating the physical and acoustical phenomena underlying the generation of sound in the pipe organ. It’s a completely different approach from common digital sound sampling because every single note, every chord, every slightest nuance of the performance is not the result of simple sound reproduction but it stems from a sound generation process which operates fluidly in real time, just as it occurs in the nature of a physical instrument.

The development of the modelling algorithms that make Physis organs exclusive, is the result of a monumental work that allows the design of innovative and versatile instruments, redefining the state of the art.
Sonus 60 dlx
Wood Veneer
Light oak - Dark oak.

Sonus 40 dlx
Wood Veneer
Light oak - Dark oak.
### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Sonus 40 / Sonus 40 Dlx</th>
<th>Sonus 60 / Sonus 60 Dlx</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Manuals</strong></td>
<td>2 x 61 notes</td>
<td>3 x 61 notes</td>
</tr>
<tr>
<td><strong>Keyboards</strong></td>
<td>“Tracker touch” type keyboards, with velocity control for MIDI and Orchestra sections</td>
<td></td>
</tr>
<tr>
<td><strong>Pedalboard</strong></td>
<td>30 notes straight, straight concave, radiating concave</td>
<td>32 notes straight, straight concave, radiating concave</td>
</tr>
<tr>
<td><strong>Stop Type</strong></td>
<td>Tilting tab</td>
<td></td>
</tr>
<tr>
<td><strong>Audio Amplifiers</strong></td>
<td>7 channels, 6 x 60 Watt + 1 x 100 Watt</td>
<td>9 channels, 8 x 60 Watt + 1 x 100 Watt</td>
</tr>
<tr>
<td><strong>Speakers</strong></td>
<td>9</td>
<td>13</td>
</tr>
<tr>
<td><strong>Expression Pedals</strong></td>
<td>2, Man.I/Ped. and Man.II</td>
<td>2, Man.I and Man.III</td>
</tr>
<tr>
<td><strong>Crescendo Pedal</strong></td>
<td>Selectable as an alternative to Man.I/Ped. exp. pedal</td>
<td>Yes, with 16 programmable steps</td>
</tr>
<tr>
<td><strong>STOPS and VOICES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Pedal</strong></td>
<td>9</td>
<td>11</td>
</tr>
<tr>
<td><strong>Manual I</strong></td>
<td>12</td>
<td>11</td>
</tr>
<tr>
<td><strong>Manual II</strong></td>
<td>13</td>
<td>13</td>
</tr>
<tr>
<td><strong>Manual III</strong></td>
<td>-</td>
<td>15</td>
</tr>
<tr>
<td><strong>Total Speaking Stops</strong></td>
<td>34. Hundreds of voices in the internal sound bank.</td>
<td>50. Hundreds of voices in the internal sound bank.</td>
</tr>
<tr>
<td><strong>Sound Styles</strong></td>
<td>4 Preset + 4 User. Hundreds of sound styles can be loaded and/or stored from/to internal memory and USB pen drive.</td>
<td></td>
</tr>
<tr>
<td><strong>Alternative Voices</strong></td>
<td>Yes, additional organ voices are selectable for each stop</td>
<td></td>
</tr>
<tr>
<td><strong>Orchestral Voices</strong></td>
<td>Yes, 33 orchestral voices are selectable for dedicated stops</td>
<td></td>
</tr>
<tr>
<td><strong>ACCESSORIES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Memories</strong></td>
<td>8 general pistons, 16 banks, 128 total memories. Tens of thousands with USB pen drive.</td>
<td></td>
</tr>
<tr>
<td><strong>Piston Sequencer</strong></td>
<td>Yes, “Prev.” - “Next” thumb pistons</td>
<td>Yes, “Prev.” - “Next” thumb pistons and toe pistons</td>
</tr>
<tr>
<td><strong>Automatic Pedal</strong></td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td><strong>Enclosed piston</strong></td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td><strong>Couplers</strong></td>
<td>I/P - II/P - III/P</td>
<td></td>
</tr>
</tbody>
</table>
| **Toe Pistons** | -                       | 9 (6 couplers, “Prev.”, “Next” and “Tutti”)
| **Transposer** | -6/+5 semitones        |                         |
| **General Volume - Reverb Volume** | Yes, with rotary potentiometers |
| **Divisional Midi Enable** | Yes, through thumb pistons |
| **Orchestra and Midi Sustain** | Kick switch located on the side of the right expression pedal |
| **Pen Drive Mass Storage** | Ordinary USB pen drive can be used as mass storage |
| **Sequence Remote Control** | Optional: radio remote control with built-in 2x16 display, non-directive, 50 mt distance |
| **DISPLAY**    | 128x64 dots graphic display with backlight |
| **Edit Voice Parameters** | Stop by stop adjustable voice parameters |
| **Volumes**    | Divisional Volumes: separate for each division. Audio Rendering Volumes: separate for front height speakers (PRESENCE) and side speakers (SURROUND). |
| **Tremulant**  | 2, adjustable depth and speed for each manual | 3, adjustable depth and speed for each manual |
| **Reverbation** | 8 different types |
| **Effects**    | Ensemble Effect: adjustable. Insufficient Air Pressure Effect: adjustable and proportional to the active voices. Tracker Action Effect: yes, selectable. |
| **Short Octave** | Yes, independently programmable for each keyboard and for the pedalboard |
| **Keyboards Inversion** | Yes, with completely customizable keyboard reassignment |
| **Output Router** | Stop by stop adjustable windchest layout |
| **External Out Volume Control** | Independent volume control for each channel |
| **External Out Equalizer** | Yes, independent 5-band graphic equalizer for each channel |
### Internal Amplification
- Yes, 5-band graphic equalizer

### Midi Programmable
- Tx/Rx Midi Channel, Tx/Rx Midi Filter, Send PG, Keyboard Midi Velocity

### Sequencer
- Interactive song sequencer with overdubbing function

### File Management
- Copy, Load, Save, Rename, Delete etc.

### Lock Organ
- With password

### CONNECTIONS
- Midi In, Out, Thru
- Yes
- Stereo Headphone Out
- Yes
- Stereo Aux In
- Yes
- Mic In
- Yes, with gain control
- Multiple Line Out
- 4+1(Sub), 12+1(Sub) with optional output expansion board
- USB (device) to PC (for “Physis Editor”)
  - For finest voicing controls and full customization, like stop by stop and note by note Volume and Pitch regulation, stop disposition, Internal and External Routing, etc. (optional)
- USB (host) for Pen Drive
- Yes

### CONSOLE
- Cabinet
  - Elegant console in dark or light oak (Sonus 40 Dlx) or dark or light oak color (Sonus 40), with matching bench
- Dimensions W x H x D and Weight
  - 126.4 x 119.1 x 56.8 cm (without pedalboard) 109.5 Kg / 241 lbs
  - 126.4 x 119.1 x 96.6 cm (with pedalboard) 153 Kg / 337 lbs

### Stoplist
- **Sonus 40 / Sonus 40 Dlx**
  - **PEDAL**
    - Untersatz 32’
    - Principalbass 16’
    - Subbass 16’
    - Octavbass 8’
    - Gedacktbass 8’
    - Choralbass 4’
    - Mixtur IV
    - Posuaen 16’
    - Trompete 8’
    - Coupler I / I
    - Coupler II / I
  - **MANUAL I**
    - Bourdon 16’
    - Principal 8’
    - Rohrflöte 8’
    - Gemshorn 8’
    - Octave 4’
    - Blockflöte 4’
    - Quinte 2 2/3’
    - Superoctave 2’
    - Mixtur V
    - Cornett IV
    - Trompete 8’
    - Vox Humana 8’
    - Tremulant
    - Coupler II / I
  - **MANUAL II**
    - Gedackt 8’
    - Salicional 8’
    - Vox Celeste 8’
    - Octave 4’
    - Gedacktflöte 4’
    - Nasard 2 2/3’
    - Waldflöte 2’
    - Terz 1 3/5’
    - Scharff III
    - Fagott 16’
    - Trompete Harmonique 8’
    - Oboe 8’
    - Clarion 4’
    - Tremulant
  - **MANUAL III**
    - Rohrgedackt 8’
    - Quintadena 8’
    - Principal 4’
    - Gedacktflöte 4’
    - Octave 2’
    - Quinte 1 1/3’
    - Sesquialtera II
    - Scharff III
    - Dulzian 16’
    - Cromorne 8’
    - Vox Humana 8’
    - Tremulant
    - Coupler III / I

- **Sonus 60 / Sonus 60 Dlx**
  - **PEDAL**
    - Untersatz 32’
    - Principalbass 16’
    - Subbass 16’
    - Octavbass 8’
    - Gedacktbass 8’
    - Choralbass 4’
    - Mixtur IV
    - Contra Posuaen 32’
    - Posuaen 16’
    - Trompete 8’
    - Klarin 4’
    - Coupler I / I
    - Coupler II / P
    - Coupler III / P
  - **MANUAL I**
    - Bourdon 16’
    - Principal 16’
    - Principal 8’
    - Flöte Harmonique 8’
    - Rohrflöte 8’
    - Gemshorn 8’
    - Octave 4’
    - Blockflöte 4’
    - Quinte 2 2/3’
    - Superoctave 2’
    - Mixtur V
    - Cornett IV
    - Trompete 16’
    - Trompete 8’
    - Tremulant
    - Coupler I / II
    - Coupler III / II
  - **MANUAL II**
    - Rohrgedackt 8’
    - Flügel 8’
    - Salicional 8’
    - Vox Celeste 8’
    - Octave 4’
    - Traversflöte 4’
    - Nasard 2 2/3’
    - Waldflöte 2’
    - Terz 1 3/5’
    - Plein Jeu IV
    - Fagott 16’
    - Trompete Harmonique 8’
    - Oboe 8’
    - Clarion 4’
    - Tremulant
  - **MANUAL III**
    - Bourdon 16’
    - Principal 16’
    - Principal 8’
    - Gedackt 8’
    - Salicional 8’
    - Vox Celeste 8’
    - Octave 4’

---

**Stoplist**

**Sonus 40 / Sonus 40 Dlx**

- **PEDAL**
  - Untersatz 32’
  - Principalbass 16’
  - Subbass 16’
  - Octavbass 8’
  - Gedacktbass 8’
  - Choralbass 4’
  - Mixtur IV
  - Posuaen 16’
  - Trompete 8’
  - Coupler I / P
  - Coupler II / P

- **MANUAL I**
  - Bourdon 16’
  - Principal 8’
  - Rohrflöte 8’
  - Gemshorn 8’
  - Octave 4’
  - Blockflöte 4’
  - Quinte 2 2/3’
  - Superoctave 2’
  - Mixtur V
  - Cornett IV
  - Trompete 8’
  - Vox Humana 8’
  - Tremulant
  - Coupler II / I

- **MANUAL II**
  - Gedackt 8’
  - Salicional 8’
  - Vox Celeste 8’
  - Octave 4’
  - Gedacktflöte 4’
  - Nasard 2 2/3’
  - Waldflöte 2’
  - Terz 1 3/5’
  - Scharff III
  - Fagott 16’
  - Trompete Harmonique 8’
  - Oboe 8’
  - Clarion 4’
  - Tremulant

- **MANUAL III**
  - Rohrgedackt 8’
  - Flügel 8’
  - Salicional 8’
  - Vox Celeste 8’
  - Octave 4’

**Sonus 60 / Sonus 60 Dlx**

- **PEDAL**
  - Untersatz 32’
  - Principalbass 16’
  - Subbass 16’
  - Octavbass 8’
  - Gedacktbass 8’
  - Choralbass 4’
  - Mixtur IV
  - Contra Posuaen 32’
  - Posuaen 16’
  - Trompete 8’
  - Klarin 4’
  - Coupler I / P
  - Coupler II / P
  - Coupler III / P

- **MANUAL I**
  - Bourdon 16’
  - Principal 16’
  - Principal 8’
  - Flöte Harmonique 8’
  - Rohrflöte 8’
  - Gemshorn 8’
  - Octave 4’
  - Blockflöte 4’
  - Quinte 2 2/3’
  - Superoctave 2’
  - Mixtur V
  - Cornett IV
  - Trompete 16’
  - Trompete 8’
  - Tremulant
  - Coupler I / II
  - Coupler III / II

- **MANUAL II**
  - Rohrgedackt 8’
  - Flügel 8’
  - Salicional 8’
  - Vox Celeste 8’
  - Octave 4’
  - Traversflöte 4’
  - Nasard 2 2/3’
  - Waldflöte 2’
  - Terz 1 3/5’
  - Plein Jeu IV
  - Fagott 16’
  - Trompete Harmonique 8’
  - Oboe 8’
  - Clarion 4’
  - Tremulant

---

**CONSOLE**

- Cabinet
  - Elegant console in dark or light oak (Sonus 40 Dlx) or dark or light oak color (Sonus 40), with matching bench
- Dimensions W x H x D and Weight
  - 126.4 x 119.1 x 56.8 cm (without pedalboard) 109.5 Kg / 241 lbs
  - 126.4 x 119.1 x 96.6 cm (with pedalboard) 153 Kg / 337 lbs