

# Ecclesia

T-255 ■ T-355 ■ D-455



[www.johannus.com](http://www.johannus.com)

**JOHANNUS**

Sound  
of excellence

# Ecclesia

## The *musical* solution for every space

The high-quality Ecclesia organs by Johannus are played around the world in churches, concert halls, conservatories, theaters, auditoria and other venues, large and small. The unmistakable Johannus sound and broad carrying capacity make them a very popular instrument for accompanying congregational singing, choir rehearsals and concerts.

The T-255, T-355 and D-455 models in the Ecclesia series vary in scope and capabilities, providing a musical solution for every space. The organs can also be fully customized to suit the venue in which they are to be installed. Thanks to the extremely high quality standards that Johannus imposes on all of its Ecclesia organs, you are assured of a durable solution.

To get the very best out of the Ecclesia organs, the instruments are completely tailored to suit the space in which they are to be installed.

For example, whether an Ecclesia organ is to be installed in a small, upholstered theater or a cathedral with lots of marble makes a huge difference. During the installation of the instrument, a certified voicer adjusts the sound of the organ to optimize the interaction between the organ and the acoustics of the space.

## The three different stoplists turn registration into *sensation*

With a choice of three different stoplists, the Ecclesia series offers ample options when it comes to registration. The balanced stoplists are made up of stops that Johannes has hand-picked and recorded. The stops are from organs from around the world, and are sampled with the highest quality standards. DS-core, the advanced operating system at the heart of the Ecclesia organs, ensures that all of these different stops yield a sound of unprecedented sound quality. This makes playing an Ecclesia organ an incredibly inspiring and authentic experience.



# The Ecclesia interacts with its surroundings.

# *Sophisticated* possibilities thanks to the six sample styles

Each era in the history of music comes with its own idiomatic sound, which can vary from region to region. Organ music is at its best when played in the original style of the period in which it was composed. For this reason, the Ecclesia series always comes with two sample styles of your choice. If desired, this can be expanded to include as many as six different styles: romantic (Dutch and English), baroque (North German and South German) and symphonic (French and American). The romantic style brings the compositions of Felix Mendelssohn to life, while the great French organ works are at their best played in the symphonic style. Because all three stoplists can be played in the six different styles, Ecclesia offers sophisticated options for the performance of organ works.



# Real-time sampling ensures *authentic pipe organ sounds*



The sounds produced by the Ecclesia series are virtually identical to those of the original instruments, bringing famous pipe organs from around the world to life. Johannus records these pipe organs key by key using its innovative high-end Real-time Sampling technology. The authenticity of the original pipe organ resounds in every note played on the Ecclesia series. The use of advanced technologies such as the Dynamic Bellows Simulator, LiveTune™ and Dynamic Chiff only serves to reinforce this experience. The result is an organ that blends perfectly into its space and behaves like a true pipe organ.

#### **Fills every corner of the venue**

The revolutionary state-of-the-art Ecclesia audio system guarantees a powerful sound. The stops are distributed across the multi-channel system so that they can augment each other in the space. Whether you are playing in a cathedral, a concert hall or a theater, the true-to-life pipe organ sounds will fill every corner of the venue. The Ecclesia series comes with high-quality amplifiers and loudspeakers, as well as an impressive bass, so that the build-up from foundation stops to overtones forms a rich, balanced and powerful sound.

#### **Lightning-fast startup thanks to DS-core technology**

Ecclesia organs come with DS-core technology that turns them into reliable instruments that always start up smoothly, can be played right away and can switch between organ styles just as rapidly. The high-quality samples are stored using advanced NAND flash memory, and can therefore be accessed immediately once the organ has been turned on or the desired stoplist has been selected. This results in a smooth, comfortable experience when an organ is used by multiple organists, even if they play in different organ styles.

› Endless  
*registration possibilities*

› Real Time  
*Sampling Technology*

› DS-core

› *Revolutionary Audio System*



# The design can be customized to *suit the venue*

Both beginner and advanced organists will be able to find their way around the Ecclesia organ in no time at all. The instrument offers numerous possibilities, yet its interface and design are extremely user-friendly and accessible. The many features are simple and clear to operate, both by means of the many thumb pistons and the menu. The user-friendly design also enables the organist to focus completely on the musical process both before and while playing.

### **Extra solo and orchestral stops take the organ to the next level**

In addition to the sampled pipe organ stops, the Ecclesia series also features an optional Solo Package and Symphony Package. These additional packages consist of high-quality and true-to-life solo and orchestral stops that

offer the organist boundless possibilities for enriching their playing with all kinds of stops. In addition to solo stops such as violin, trumpet, flute and oboe, there are also complete string, brass and woodwind ensembles available. Our brand new Harmony function enables the organist to play polyphonic music with different instruments. All instruments can be assigned to up to six voice parts per manual, resulting in the sound of a full orchestra.

Customizing the Ecclesia organ to suit the venue is about more than just the interplay between sound and acoustics. For example, the design of the instrument can be tailored to suit the surroundings and the wishes of the organist. This includes options such as the color of the organ, the design of the pedal board, or the type of manuals.



# The organist focuses purely *on the music*



**T-255**

The two-manual Ecclesia T-255 comes with 35 stops that can be operated by means of illuminated stop tabs. The instrument's balanced 6.1 audio system magnificently interprets the entire sound spectrum. This organ is ideal for accompanying smaller groups of people in medium-sized spaces.



**T-355**

With its 43 illuminated stop tabs and three manuals, the Ecclesia T-355 is capable of bringing congregational singing in larger spaces to a higher level. The 8.2 audio system optimizes the channeling of the sound, and the clear and comprehensive stop panels provide the player with endless opportunities for variety and exploration.



**D-455**

This powerful all-rounder with its 12.2 audio system really comes into its own in larger spaces. From supporting a solo singer to accompanying massed congregational singing, the Ecclesia D-455 can do it all. The sizable organ comes with 56 stops, including a 32' Resultant Bass in the pedal board and no fewer than seven 16-footers distributed across the pedal board, great division and swell division.



**Ecclesia  
T-255**



Pedal		Great		Swell		MIDI	
Principal	16'	Bourdon	16'	Principal	8'	MIDI Pedal	
Subbass	16'	Principal	8'	Rohrflute	8'	MIDI Great	
Hohlquinte	10 2/3'	Stopped Flute	8'	Viola di Gamba	8'	MIDI Swell	
Octavebass	8'	Gamba	8'	Vox Celeste	8'		
Gedackt	8'	Octave	4'	Octave	4'		
Choralbass	4'	Open Flute	4'	Koppelflute	4'		
Mixture	IV	Twelfth	2 2/3'	Flute Twelfth	2 2/3'		
Contra Posaune	16'	Octave	2'	Waldflute	2'		
Trumpet	8'	Cornet	IV	Tierce	13/5'		
Great - Pedal		Mixture	IV	Nazard	11/3'		
Swell - Pedal		Trumpet	16'	Scharf	III		
		Trumpet	8'	Fagotto	16'		
		Tremulant		Oboe	8'		
		Swell - Great		Vox Humana	8'		
				Tremulant			

**Ecclesia  
T-355**



Pedal	
Principal	16'
Subbass	16'
Hohlquinte	10 2/3'
Octave	8'
Gedackt	8'
Choralbass	4'
Mixture	IV
Contra Trumpet	16'
Trumpet	8'
Choir - Pedal	
Great - Pedal	
Swell - Pedal	

Choir	
Bourdon	8'
Principal	4'
Rohrflute	4'
Nazard	2 2/3'
Flute	2'
Larigot	1 1/3'
Sifflet	1'
Sesquialtera	II
Cromorne	8'
Tremulant	
Swell - Choir	

Great	
Bourdon	16'
Principal	8'
Stopped Flute	8'
Gamba	8'
Octave	4'
Open Flute	4'
Twelfth	2 2/3'
Octave	2'
Cornet	V
Mixture	IV
Trumpet	16'
Trumpet	8'
Tremulant	
Choir - Great	
Swell - Great	

Swell	
Principal	8'
Rohrflute	8'
Viola di Gamba	8'
Vox Celeste	8'
Octave	4'
Koppelflute	4'
Flute Twelfth	2 2/3'
Waldflute	2'
Tierce	1 3/5'
Scharf	IV
Fagotto	16'
Oboe	8'
Vox Humana	8'
Tremulant	

MIDI	
MIDI Pedal	
MIDI Choir	
MIDI Great	
MIDI Swell	





**Ecclesia  
D-455**



Pedal	
Resultant Bass	32'
Principal	16'
Subbass	16'
Octave	8'
Gedackt	8'
Choralbass	4'
Mixture	IV
Contra Bombarde	32'
Contra Trumpet	16'
Trumpet	8'
Trumpet	4'
Choir - Pedal	
Great - Pedal	
Swell - Pedal	

Choir	
Principal	8'
Gedackt	8'
Octave	4'
Rohrflute	4'
Nazard	2 2/3'
Octave	2'
Flute	2'
Nineteenth	1 1/3'
Sesquialtera	II
Mixture	IV
Trumpet	8'
Cromorne	8'
Tremulant	
Swell - Choir	

Great	
Principal	16'
Principal	8'
Diapason	8'
Stopped Flute	8'
Gamba	8'
Octave	4'
Open Flute	4'
Twelfth	2 2/3'
Fifteenth	2'
Conical Flute	2'
Cornet	V
Mixture	IV
Scharf	III
Trumpet	16'
Trumpet	8'
Clarion	4'
Tremulant	
Choir - Great	
Swell - Great	

**Swell**

Bourdon	16'
Principal	8'
Rohrflute	8'
Viola di Gamba	8'
Vox Celeste	8'
Octave	4'
Koppelflute	4'
Flute Twelfth	2 2/3'
Waldflute	2'
Tierce	1 3/5'
Nazard	1 1/3'
Scharf	IV
Fagotto	16'
Trompette Harmonique	8'
Vox Humana	8'
Oboe	8'
Schalmey	4'
Tremulant	

**MIDI**

MIDI Pedal	
MIDI Choir	
MIDI Great	
MIDI Swell	

# Technical Specifications

Ecclesia	T-255	T-355	D-455
<i>Overview:</i>			
System	DS-core	DS-core	DS-core
Manuals	2	3	3
Voices	35	43	56
Ranks	46	59	75
Couplers	3	6	6
Tremulants	2	3	3
Choose between 3 dispositions: Dutch Romantic, German Baroque, French Symphonic	•	•	•
<i>Console:</i>			
<i>Dimensions</i>			
Height (excluding music desk)	117 cm	126 cm	134 cm
Height (including music desk)	141 cm	150 cm	143 cm
Width	138 cm	146 cm	164 cm
Depth (excluding pedal board)	63 cm	75 cm	75 cm
Depth (including pedal board)	99 cm	109 cm	109 cm
<i>Finish</i>			
Light oak	•	•	•
Other kind of wood or color	optional	optional	optional
<i>Music desk</i>			
Plexiglas music desk	optional	optional	optional
Wooden desk	•	•	•
Adjustable music desk	optional	optional	-
Music desk lighting	optional	optional	optional
<i>Roll cover</i>			
Lockable wooden roll cover	•	•	•
<i>Manuals</i>			
Synthetic keyboards (5 octaves)	•	•	•
synthetic keyboards with wooden core	optional	optional	optional
Wooden keyboards (ebony/oak) with wooden core	optional	optional	optional
<i>Swell shoes</i>			
Wooden expression pedals	2	2	2
<i>Toe studs</i>			
Brass toe studs	optional	optional	optional
<i>Pedal board</i>			
30-note straight pedal board with plain upper keys	optional	optional	optional
30-note straight pedal board with black upper keys	•	•	•
30-note concave pedal board with dark upper keys	optional	optional	optional
30-note raco pedal board with dark upper keys	optional	optional	optional
Illuminated pedal board	•	•	•
<i>Bench</i>			
Bench	•	•	•
Bench with lift lid	optional	optional	optional
Adjustable bench	optional	optional	optional
<i>External connections</i>			
MIDI (IN, MOD-out, SEQ-out)	•	•	•
USB-to-PC	•	•	•
Aux In	•	•	•
Aux Out	•	•	•
Headphone	•	•	•
<i>Audio:</i>			
Audio system	6.1	8.2	12.2
Audio control	DEA™	DEA™	DEA™

Ecclesia	T-255	T-355	D-455
<i>Reverb system</i>			
Convolution reverb, 12 unique reverbs	•	•	•
<i>Output amplifiers</i>			
Full-range amplifiers (180 Watt)	6	8	12
Bass amplifier (350 Watt)	1	2	2
<i>Sound reproduction</i>			
External loudspeakers	2 x UL 2800+ 2 x UL 2700	4 x UL 2800	6 x UL 2800
External subwoofer	1 x UL 3300	2 x UL 3300	2 x UL 3300
Headphones/Aux Out	SSE™	SSE™	SSE™
<i>Functions</i>			
<i>Controllable functions</i>			
0 (recall/cancel)	•	•	•
CF (Cantus Firmus)	•	•	•
KT (Keyboard Transfer)	•	•	•
MB (Manual Bass)	•	•	•
Menu (Johannus Menu)	•	•	•
Sequence -/+	•	•	•
General Expression (General Swell)	•	•	•
RO (Reeds Off)	•	•	•
Trans. (Transposer)	•	•	•
CR (Activate General Crescendo)	•	•	•
<i>Sample styles</i>			
Organ Styles	2 sets default, expandable to 6 -American Symphonic, -Dutch Romantic, -English Romantic, -French Symphonic, -North German Baroque, -South German Baroque	2 sets default, expandable to 6 -American Symphonic, -Dutch Romantic, -English Romantic, -French Symphonic, -North German Baroque, -South German Baroque	2 sets default, expandable to 6 -American Symphonic, -Dutch Romantic, -English Romantic, -French Symphonic, -North German Baroque, -South German Baroque
Orchestral packages (Solo/Symphony)	optional	optional	optional
<i>Setzer memory</i>			
Levels	250, with USB Memory 999	250, with USB Memory 999	250, with USB Memory 999
Memory locations per level	8	8	8
Presets (programmable)	PP-P-MF-F-FF-T-PL	PP-P-MF-F-FF-T-PL	PP-P-MF-F-FF-T-PL
<i>Johannus Menu functions</i>			
Organ and reverberation volume	•	•	•
Temperaments (incl. 1 custom programmable)	12	12	12
Tuning (pitch)	•	•	•
Chorus	•	•	•
<i>Expression pedals</i>			
PEPC™ (programmable expression pedal configuration)	•	•	•
General Crescendo (through PEPC™)	•	•	•
<i>Miscellaneous</i>			
Dynamic bellows simulator	•	•	•
LiveTune™	•	•	•
Dynamic Chiff	•	•	•
All organ stops C-C#	•	•	•
<i>DEA™ Digital Equalized Audio</i>			
		All audio channels have a digital equalizer.	
<i>SSE™ Spatial Sound Experience</i>			
		Special audio mix for Headphone/Aux-out. Direct organ sound is more mono. Reverb signal remains completely stereo. This will make you feel as if you are right in front of the organ, while the reverb creates the impression that you're in the actual space.	
<i>PEPC™ Programmable Expression Pedal Configuration</i>			
		All expression pedals can be programmed as an expression pedal or Crescendo pedal.	

JOHANNUS

# Johannus offers not only top quality, but *reliability and certainty* too

The Ecclesia is at the pinnacle of our more than 50 years of knowledge and experience in building digital organs. Our expertise and high quality standards have made us the global market leader. Every day, our technicians, audio experts, developers, organists and organ enthusiasts commit to strengthening that position and raising the bar even higher, where possible. Our guiding principle is our respect for the pipe organ, and our dream is to make the pipe organ accessible to all.

Customer satisfaction is a vital pillar when it comes to our ambitions. For more than fifty years, we have embodied this by offering top quality, reliability and certainty. That's why, in addition to our standard warranty, we also provide an additional warranty on all of the computer boards in the organ. Naturally, you can expect that we will keep essential organ parts in stock for the years to come, underscoring our lasting relationship with organists around the world.





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