



Chiff Dynamics

Sounding an organ pipe creates an effect known as chiff. This is an essential component of the overall sound. In most electronic organs chiff is created by computer simulation. The result ranges from poor to reasonable. In Johannus organs, however, the original recording of organ pipes is used. Each time a different key is pressed, the fundamental tone is preceded by chiff. Moving air remains briefly in the pipe when the note is released. When the same key is pressed again in quick succession, this remaining air flow causes part of the chiff to be lost depending on the speed of repetition. Although this effect is typical of a pipe organ, it was previously lacking in pipeless digital organs. Johannus Research proudly presents a new breakthrough in organ technology. Now the sound of an organ pipe can be recreated to the smallest detail. This is a tremendous advance.

Easy Menu

Large organs are seldom simple to operate. Modern computer technology provides almost limitless possibilities, which can make the operation of a modern instrument challenging. The Johannus Opus, Sweelinck and Rembrandt series are delightful exceptions. Johannus Research has developed an accessible system bringing you the advantages of this fantastic technology: Easy Menu. The Easy Menu also provides 12 different temperaments: Equal, Kirnberger II, Kirnberger III, Meantone 1/6, Meantone 1/5, Meantone 1/4, Neidhardt III, Pythagoras, Valotti, Werckmeister III, Young II and Custom. Experience the possibilities and convenience of this menu, developed by organists for organists.

pipeLIFE™ Tuning

All organists know that the beauty and grandeur of a good pipe organ is unsurpassed. Now the Johannus research team has recreated another unique pipe organ characteristic called pipeLIFE™ Tuning. The tuning of a pipe is seldom exactly the same, even when played twice in succession. The pipes' pitch is influenced by temperature, wind in the chest and physical layout of pipe ranks, as well as which keys are played simultaneously. Pipes in physical and acoustical proximity to one another influence each other's pitch; this phenomenon is often referred to as 'drawing' by professional organ tuners. Johannus pipeLIFE™ Tuning recreates this phenomenon and employs these properties with amazing realism and clarity to create the ultimate pipe-like experience. Another FIRST from Johannus!

Technical Specifications

Voices

Total Independently Sampled Pipe organ Ranks	111
Classic Sound Module Voices (CSM-128)	40
Orchestral Voices (Super Solos)	7
Total voices that can play at the same time	115
Romantic Organs	4
Symphonic Organs	4
Baroque Organs	4
Total Organs	12
Total sets of samples (Rom, Sym, Bar, 2x library)	5
Divisions (Gt/Pd/Ch/Sw/Solo/Eth/State Tr.)	7
Total onboard sampled ranks	602
C-C# wind chest lay out on all ranks	●
Mixtures all ranks independent samples	●
Chiff Dynamics™	●
PipeLIFE™ Tuning	●
Expression shutter characteristics	●
Personal Voicing Software, note-by-note, rank-by-rank	●

Manuals

61 notes C-c''' HQT, wood core	3
61 notes C-c''' HQT, wood core, Ebony/Cherry	○
32 notes C-g' AGO pedalboard with Dark wooden sharps	1

Capture

General memories (250 levels, quick access)	2000
Divisional memories	7500
Tutti 1 and 2, programmable	●
General Crescendo A and B, programmable, 20 levels	●
Cancel, SET, Recall	●
Memory key lock	●
Sequencer, step up/down	●

Audio

Digital to Analog channels	96
3-D digital acoustic reverberation	●
DSA-4 External Digital surround acoustics	○
General Volume control, Midi controlled, programmable	●
Expressions, Midi controlled	5
Rubber padded shoes with brass nameplates	●
Expression level indicators	4
All swells to swell	●
Antiphonal Choir, antiphonal Solo/Ethereal	2
External Loudspeaker system Main and Antiphonal	●
Custom designed Pipe façade	○

● standard ○ optional

Controls

Draw knobs	122
Thumb pistons	73
Tabs	23
Toe Studs, brass	31
Transposer, 17 steps, programmable	●
Pitch, +/- half step, programmable	●
Easy Menu	●
MIDI tabs, programmable	8
Couplers, unison, 16' and 4'	26
Chorus	●
Manual Bass	●
Melody Coupler Choir	●
Melody Coupler Swell	●
Fix Accessories	●
Reeds Off	●
Keyboard Transfer Great/Choir	●
Pipes On, Ancillary On, Pipe MIDI interface	●
Zimbelstern piston and toe stud	●
Temperaments, incl. programmable	12
Console Status Display	●
Power switch with key lock	●

External Connections

MIDI in, sequencer out, module out, pipes out	4
Headphones stereo out, 2 kΩ	●
DSA-4 stereo out, 270Ω/300mV	●
Aux stereo in, 1kΩ/70mV	●
Aux stereo out, 270Ω/300mV	●
External Loudspeaker out, 8Ω	●

Console

American Classic style with Arches/mouldings	●
Dark Oak E45 console	●
Light Oak key cheeks, piston rails and jambs	●
Custom kinds of wood and colours	○
Illuminated pedal board with 4 lights	●
Illuminated wooden music desk	●
Plexiglas music desk	○
Bench with music spare	●
Adjustable height bench	○

Dimensions

Height	50"
Width	76"
Depth	36"
Depth incl. pedal board	54"



AC VII

Johannus AC VII

From the heart of Europe to the hearts of organists worldwide, the Johannus AC VII stands majestically as the ultimate instrument for any player in virtually any situation. Churches and concert halls around the world continue to look to Johannus for musical support and inspiration through world class sound quality, unmatched console construction, technological innovation and leadership.

"Our congregation is delighted with the pipe authentic tonal quality and beautifully crafted console of our Johannus American Classic organ. The music produced by this instrument continues to enhance our Liturgies."

The Rev. John Corredato, St Boniface Catholic Church, Edwardsville IL

"After spending several months searching for a replacement for our aging custom digital organ, our Worship Committee overwhelmingly chose Johannus. St. Luke's requires a work horse organ – an organ capable of supporting our ambitious worship and concert schedules. The AC VII is expected to provide many years of reliable service glorifying God through music – music of the highest quality grounded in a spirit of true worship and genuine stewardship of the resources with which we have been entrusted."

Director of Music Ministry,
Worship St. Luke's Lutheran Church (LCMS), Oviedo, Florida USA

"The Johannus American Classic was designed to capture the exquisite majesty of the great tradition of American organ building. The organ is ideal both for service playing and recital. The player is at once captivated by the warm strings, broad principals, fiery reeds and silvery mixtures. In keeping with the concept of the American Classic instrument, the Johannus AC VII is capable of playing the widest array of literature with thrilling effect. The unique feature of the floating solo division gives the artist the flexibility of a fifth division of chorus reeds and solo voices without requiring a fourth manual. Having played this instrument for recitals in a variety of acoustical and ecclesiastical settings, I have found it to be a superb instrument which speaks with a glorious voice."

J. David Hart, M.F.A., F.A.G.O

About Johannus

Great craftsmanship has been the hallmark of Dutch organ building for centuries. In the heart of Holland, the wooded area of the town of Ede is home to a very special company - Johannus, builder of classical organs.

Johannus organs have been installed in over eighty countries. Every Johannus organ is unique and is custom made. The requests of the customer are merely the starting point. Using knowledge gained from years of experience, your local Johannus representative guides you through the specification process to arrive at the perfect organ for your needs.

During the entire building process, specialists of many different fields work together daily. This unique environment has helped produce a highly motivated team of musicians and engineers.

A harmony of transparent individual stops blend together to produce a majestic pipe organ sound. The great builders of pipe organs repeatedly experience this special heart stirring emotion. Now the Johannus organ builders want to share this emotional experience with you...



Stoplist AC VII

PEDAL 21 Ranks 20 voices	CHOIR 23 Ranks 20 Voices	GREAT 25 Ranks 20 Voices	SWELL 23 Ranks 21 Voices	SOLO 6 Ranks 6 Voices	MIDI VOICES 47 Ranks 40 Voices
Open Wood 32'	Spitz Principal 8'	Montre 16'	Bourdon 16'	Bombarde Harm. 16'	Flute
Contra Subbass 32'	Bourdon 8'	Open Diapason 8'	Principal 8'	Trompette Harm. 8'	Piccolo
Contra Violon 32'	Unda Maris 8'	Principal 8'	Geigen Principal 8'	Clairon Harm. 4'	Recorder
Diapason 16'	Erzähler 8'	Stopped Flute 8'	Rohrflute 8'	Corno di Bassetto 8'	Panflute
Subbass 16'	Erzähler Celeste 8'	Flauto Dolce 8'	Viola di Gamba 8'	French Horn 8'	Horn
Echo Bourdon CH* 16'	Octave 4'	Flauto Dolce Cel. 8'	Vox Celeste 8'	Tuba Major 8'	English Horn
Violon sw** 16'	Flute 4'	Gemshorn 8'	Octave 4'		Cello
Octave 8'	Salicional 4'	Octave 4'	Geigen Principal 4'		Violin
Gedackt 8'	Nasard 2 2/3'	Open Flute 4'	Koppelflute 4'		Orchestral strings
Violon 8'	Principal 2'	Twelfth 2 2/3'	Viola 4'		Warm strings
Choralbass 4'	Piccolo 2'	Fifteenth 2'	Flute Twelfth 2 2/3'		Bright strings
Flute 4'	Superquint 1 1/3'	Flute 2'	Octave 2'		Bell strings
Rauschpfeife III	Siffloete 1'	Fourniture IV	Waldflute 2'		Harp
Diaphone 64'	Sesquialtera II	Scharff III	Tierce 1 3/5'	Flauto Mirabilis 8'	Harpsichord
Contra Bombarde 32'	Cymbel III	Terzian II	Plein Jeu IV	Aeoline Celeste II 8'	Timpani
Contra Trumpet 16'	State Trumpet 8'	Contra Trumpet 16'	Fagotto 16'	Vox Angelicus 8'	Chimes
Basson 16'	Echo Trumpet 8'	State Trumpet 8'	State Trumpet 8'	Flute Traverse 4'	Celesta 1
Trumpet 8'	Regal 8'	Trumpet 8'	Trompette 8'	Cor Anglais 8'	Celesta 2
State Trumpet 8'	Krummhorn 8'	Klarine 4'	Oboe 8'	Tremulant	Woodharp
Clarion 4'	Rohr Schalmey 4'	Tremulant	Vox Humana 8'		Handbells
	Tremulant	Chimes	Clarion 4'		Chrysoglott
			Tremulant		Carillon
				ORCHESTRALS	Choir 1
				7 Ranks	Choir 2
				7 Voices	Harmonic Flute 8'
				(Seven Super Solos)	Flute Celeste II 8'
					Viola Celeste II 8'
					English Horn 8'
					Clarinet 8'
					Oboe 8'
					Viola 8'
					Ranket 8'
					Bach Trumpet 8'
					Trumpet 8'
					Trombone II
					Tuba II-IV
					Sesquialtera II
					Cantus Firmus II-IV
					Reed Organ
					Gospel Organ 1
					Gospel Organ 2
					Tibia Organ
					Tracker Action

Audio System 12.4 HP (High Power)

16 channels
22 speaker cabinets
54 speaker drivers
3520 Watts

Audio System 24.4 HP (High Power)

28 channels
32 speaker cabinets
96 speaker drivers
5560 Watts