Technical Specifications WERSI OpenArt-Xtended

Keyboard OAX1	Keyboard OAX1 Duo	OAX500LS	OAX600 or OAX600LS

HIGHLIGHTS

76 keys 9 upper and 7 lower drawbars for variable organ 12-fach drawbars for volumes 13,3" Touch-Display Integrated loudspeakers	Compilation of the keyboard OAX1, the additional manual with 76 keys, the keyboard stand standard and a swell pedal. Of course also available with a deluxe keyboard stand and bench for an additional charge.	Upper- und lower manual 61 keys 9 upper and 7 lower drawbars for variable organ 12-fach drawbars for volumes 11,6" Touch-Display 17-key pedal incl. bench Integrated loudspeakers	Upper- und lower manual 61 keys 9 upper and 7 lower drawbars for variable organ 12-fach drawbars for volumes 13,3" Touch-Display 17-key pedal incl. bench available with and without loudspeaker

State-of-the-art workstation of the latest generation of organ arrangements and production workstations.

Idea with future: Full software control over all functions and sounds, continuous development of the whole system, update via download possible. The times when each change required expensive and expensive hardware modifications are now a thing of the past.

In the PROFI mode, a total of up to 16 sound can be played on the manuals. In this case, either the upper or lower manual (solo with OAX1000) can be used with max. 12 sounds. Alternatively, the classic EASY mode with three sound on the upper and lower part (solo with OAX1000) as well as one pedal sound.

SOUNDS

Sounds	2400 factory sounds for all musical styles plus 2500 drum samples
Sound engine	Sampling, Wavetable-Synthesis, FM-Synthesis, Analog-Synthesis
Polyphony	theoretically unlimited, only limited by CPU performance
Sound-Controls	6 Easy-Sound-Controls individually per sound -> Equalizer, Echo, Sample Start, Attack, Release, Vibrato, Filter and more.
Drawbars	OX7 and VB3 organ emulation of the top class, controllable via real drawbars
Effects	Four-send effects with Reverb 1, Reverb 2, Chorus and Echo; further effects individually already programmed in the sound colors.
EASY-Mode	Three sounds on the upper and lower part as well as one pedal sound
PROFI-Mode	Up to 16 sounds can be distributed to the manuals. Maximum of 12 votes for upper or lower
Effect-Sounds	6 Effect sound buttons for playing effects such as crash basins or vocal effects.

TOTAL PRESETS

Factory Total Presets	The permanently stored factory total presets show the sound possibilities.
User Total Presets	5000 own total presets can be stored
STS-Total Presets	To each of the factory styles, four total presets were stored. You can save four STS presets of your own for each of the factory styles and the styles, MIDI sequences and audio files you have saved yourself.
Play arena	For each sound an individual playing range can be assigned on the manuals. This allows complex sound environments.
Accompaniment	You can store a style, MIDI sequence or MultiMedia file in the total preset with individual settings
Send Effects	Individual settings for the four send effects
Additional	Foot switch assignments, effect sound assignments

ACCOMPANIMENT

Style-Player	Over 390 factory styles, 160 of them live with realdrums; all styles with sound-to-style function
Harmony detection	One-finger WERSI, Easy Mode 1 and 2, chord mode, chord mode with bass, interval mode, organist mode, pedal mode, piano mode
Style detection	WERSI styles of the OAS series, conversion of styles of other manufacturers available as extension
MIDI-Player	Plays General MIDI sequences; Volume of the 16 channels can be stored in total presets.
Multimedia-Player	Multimedia Player plays all popular audio and video formats.
ACC-database	Style/MIDI/Mp3/Wave/Video Database with administration function of up to 5000 own files.
Audio-Recording	Audio-Record function for recording directly into Wave format.

OPERATION

Display	13,3" Color Multitouch Display in 16:9 cinema format	11,6" Color Multitouch Display in 16:9 cinema format	13,3" Color Multitouch Display in 16:9 cinema format
	Resolution 1366 x 768		
Keyboards	High quality weighted FATAR keyboards		
Upper manual	76 Keys with velocity dynamics and Ch. Aftertouch	76 Keys with velocity dynamics and Ch. Aftertouch	61 keys with velocity dynamics and Ch. Aftertouch
Lower manual	available as an option	76 Keys with velocity dynamics and Ch. Aftertouch	61 keys with velocity dynamics and Ch. Aftertouch	76 keys with velocity dynamics and Ch. Aftertouch
Manual Dynamik	Freely programmable dynamic curves, individual assignment to all manual sounds possible		
Foot pedals	Optional as an accessory	17-key pedal with velocity response	
Wheels	Pitch Bend and Modulation Wheel		
Foot switches	Optional accessories: swell pedal with two foot switches, both freely assignable and individually storable per total preset	2 foot switches at the swell pedal both freely assignable and individually storable per total preset	5 pistons and 2 foot switches at the swell pedal all freely assignable and per total preset can be stored individually. The LS version OAX600LS has no pistons.
Swell pedal	Swell pedal curve per manual sound and Accompaniment freely programmable		
Control panels	Control panel with high-quality push-buttons		
Organ drawbars	9 upper manual drawbars and 7 lower manual drawbars		
Functional drawbars	12-way drawbars for volume, incl. Configurable drawbar "CC" for controlling special functions		
Displaysprachen	German, English, French or Dutch (others on request)		

VST-HOST

VST 3.0 Host	Integrated
Plugins	With up to 16 VST instruments and 16 VST effects (partially pre-loaded with factory plug-ins)
Connections	Signal paths completely in the VST Host
VST-Preset	Several VST configurations can be stored

DIGITAL MIXER

Input mixer	Separate inputs for the manuals and accompaniment sound, drums and RealDrums each with its own equalizer
Output mixer	With separate volume and EQ settings for Line Out 1, 2 and headphones
Presets	Separate presets for the input and output mixer can be stored

MAIN ELECTRONIC			
Prozessor	Modern mainboard with powerful processor		
Main memory	32GB of RAM		
Hard disk space	eMMc hard drive with 500 gigabytes guarantees the fastest loading times		
Other drives	---		DVD or optional Blu-ray
Operating system	Windows 11 Pro 64bit		

CONNECTIONS			
USB	4 x USB 2.0 on the front, further incl. USB 3.0 on the back		
Headphone	Yes		
Microphone	1 x high-end microphone preamplifier (jack socket)		1 x high-end microphone preamplifier incl. phantom power (XLR / jack combo jack)
Video	HDMI Video output		
Audio inputs	1 x LINE IN Stereo right / left (jack socket)		1 x LINE IN Stereo right / left (XLR / jack combo jack)
Audio outputs	2 x Line Out Stereo right / left (jack)		
MIDI	2 x MIDI IN / OUT / THRU		
MIDI-To-USB	No		MIDI over USB function for direct connection to PC and Mac
Other	Pedal and swell pedal connector via sub-D connector		

SOUND EXPERIENCE			
Power amplifiers + loudspeakers	Sound system with 2 x 60 Watt, high-quality loudspeaker 2x bass/mid, 2x treble	Sound system with 2 x 30 watt sound for the treble and 2 x 80 watt for the bass and midrange sound in the lower part	**Only LS version of OAX600:** Sound system with 2 x 60 watts for the treble in the upper part and 2 x 100 watts for the bass and middle sound in the lower part
External Loudspeaker	**Active loudspeaker box VOCALIS:** Finally there is a loudspeaker box that also realizes sonically what your precious WERSI instrument demands. Experience brilliant sound in brilliant form. High-end acoustic properties find their place in an aesthetically and high-quality designed column cabinet - and that at an incredible price/performance ratio! **Features:** Manufacturer: Wersi - Number of speakers: 5, size woofer: 4 inches - Frequency response from: 35 Hz to 28,000 Hz - Weight: 23.75 Kg - Width: 22.2 cm - Height: 109.0 cm - Depth: 28.6 cm		

HOUSING - DIMENSIONS - WEIGHT			
Cabinet	Available in high-quality finishes in the colors high-gloss black and pearl white	Available in high-quality finishes in metallic black, pearlescent white, metallic brown or a color of your choice and in various real wood veneers	
Dimensions (W x H x D)	1225 x 495 x 190 mm	1100 x 980 x 620 mm	1230 x 980 x 620 mm
Weight	24 kg	72kg incl. organ bench	80kg incl. organ bench

Technical Specifications WERSI OpenArt-Xtended

OAX700 or OAX700LS	OAX800LS	OAX900	Pergamon OAX1000LS

HIGHLIGHTS

Upper- und lower manual 61 keys 9 upper and 7 lower drawbars for variable organ 12-fach drawbars for volumes 13,3" Touch-Display 25-key full pedal incl. bench available with and without loudspeaker	Solo, upper and lower manual 76 keys 13,3"" Touch display 9 upper and lower manual drawbars plus 9 percussion drawbars 16-key drawbar set for volumes 25-key full pedal incl. bench Integrated loudspeakers	Solo, upper and lower manual 76 keys 13,3"" Touch display 9 upper and lower manual drawbars plus 9 percussion drawbars 16-key drawbar set for volumes 25-key full pedal incl. bench	Solo, upper and lower manual 76 keys 13,3"" Touch display 9 upper and lower manual drawbars plus 9 percussion drawbars 16-key drawbar set for volumes 25-key full pedal incl. electrically adjustable seat Integrated loudspeakers

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Idea with future: Full software control over all functions and sounds, continuous development of the whole system, update via download possible. The times when each change required expensive and expensive hardware modifications are now a thing of the past.

In the PROFI mode, a total of up to 16 sound can be played on the manuals. In this case, either the upper or lower manual (solo with OAX1000) can be used with max. 12 sounds. Alternatively, the classic EASY mode with three sound on the upper and lower part (solo with OAX1000) as well as one pedal sound.

SOUNDS

Sounds	2400 factory sounds for all musical styles plus 2500 drum samples
Sound engine	Sampling, Wavetable-Synthesis, FM-Synthesis, Analog-Synthesis
Polyphony	theoretically unlimited, only limited by CPU performance
Sound-Controls	6 Easy-Sound-Controls individually per sound -> Equalizer, Echo, Sample Start, Attack, Release, Vibrato, Filter and more.
Drawbars	OX7 and VB3 organ emulation of the top class, controllable via real drawbars
Effects	Four-send effects with Reverb 1, Reverb 2, Chorus and Echo; further effects individually already programmed in the sound colors.
EASY-Mode	Three sounds on the upper and lower part as well as one pedal sound
PROFI-Mode	Up to 16 sounds can be distributed to the manuals. Maximum of 12 votes for upper or lower
Effekt-Sounds	6 Effect sound buttons for playing effects such as crash basins or vocal effects. 10 Effect sound buttons for playing effects such as crash basins or vocal effects.

TOTAL PRESETS	
Factory Total Presets	The permanently stored factory total presets show the sound possibilities.
User Total Presets	5000 own total presets can be stored
STS-Total Presets	To each of the factory styles, four total presets were stored. You can save four STS presets of your own for each of the factory styles and the styles, MIDI sequences and audio files you have saved yourself.
Play arena	For each sound an individual playing range can be assigned on the manuals. This allows complex sound environments.
Accompaniment	You can store a style, MIDI sequence or MultiMedia file in the total preset with individual settings
Send Effects	Individual settings for the four send effects
Additional	Foot switch assignments, effect sound assignments

ACCOMPANIMENT	
Style-Player	Over 390 factory styles, 160 of them live with realdrums; all styles with sound-to-style function
Harmony detection	One-finger WERSI, Easy Mode 1 and 2, chord mode, chord mode with bass, interval mode, organist mode, pedal mode, piano mode
Style detection	WERSI styles of the OAS series, style conversion possible
MIDI-Player	Plays General MIDI sequences; Volume of the 16 channels can be stored in total presets.
Multimedia-Player	Multimedia Player plays all popular audio and video formats.
ACC-database	Style/MIDI/Mp3/Wave/Video Database with administration function of up to 5000 own files.
Audio-Recording	Audio-Record function for recording directly into Wave format.

OPERATION		
Display	13,3" Color Multitouch Display in 16:9 cinema format	
	Resolution 1366 x 768	
Keyboards	High quality weighted FATAR keyboards	
Solo manual	---	76 Keys with velocity dynamics and Ch. Aftertouch
Upper manual	61 Keys with velocity dynamics and Ch. Aftertouch	76 Keys with velocity dynamics and Ch. Aftertouch
Lower manual	76 Keys with velocity dynamics and Ch. Aftertouch	
Manual Dynamik	Freely programmable dynamic curves, individual assignment to all manual sounds possible	
Foot pedals	25-key pedal with velocity response	
Wheels	Pitch Bend and Modulation Wheel	
Foot switches	5 pistons and 2 foot switches at the swell pedal all freely assignable and per total preset can be stored individually The LS version OAX700LS has no pistons.	
Swell pedal	Swell pedal curve per manual sound and Accompaniment freely programmable	
Control panels	Control panel with high-quality push-buttons	
Organ drawbars	9 upper manual drawbars and 7 lower manual drawbars	9 upper and lower drawbars plus 9 percussion drawbars
Functional drawbars	12-way drawbars for volume, incl. Configurable drawbar "CC" for controlling special functions	16-way drawbars for volume, incl. configurable drawbar "CC" for controlling special functions
Display languages	German, English, French or Dutch (others on request)	

VST-HOST	
VST 3.0 Host	Integrated
Plugins	With up to 16 VST instruments and 16 VST effects (partially pre-loaded with factory plug-ins)
Connections	Signal paths completely in the VST Host
VST-Preset	Several VST configurations can be stored

DIGITAL MIXER	
Input mixer	Separate inputs for the manuals and accompaniment sound, drums and RealDrums each with its own equalizer
Output mixer	With separate volume and EQ settings for Line Out 1, 2 and headphones
Presets	Separate presets for the input and output mixer can be stored

MAIN ELECTRONIC	
Prozessor	Modern mainboard with powerful processor
Main memory	32GB of RAM
Hard disk space	eMMc hard drive with 500 gigabytes guarantees the fastest loading times
Other drives	DVD or optional Blu-ray
Operating system	Windows 11 Pro 64bit

CONNECTIONS	
USB	4 x USB 2.0 on the front, further incl. USB 3.0 on the back
Headphone	Yes
Microphone	1 x high-end microphone preamplifier incl. phantom power (XLR / jack combo jack)
Video	HDMI Video output
Audio inputs	1 x LINE IN Stereo right / left (XLR / jack combo jack)
Audio outputs	2 x Line Out Stereo right / left (jack)
MIDI	2 x MIDI IN / OUT / THRU
MIDI-To-USB	MIDI over USB function for direct connection to PC and Mac
Other	Pedal and swell pedal connector via sub-D connector

SOUND EXPERIENCE			
Power amplifiers + loudspeakers	**Only LS version of OAX700:** Sound system with 2 x 60 watts for the treble in the upper part and 2 x 100 watts for the bass and middle sound in the lower part, , high quality speakers	Sound system with 2 x 60 watts for the treble in the upper part and 2 x 100 watts for the bass and middle sound in the lower part, high quality speakers	No power amplifier and speakers	Sound system with 2 x 60 watt sound for the treble and 2 x 100 watt for the bass and midrange sound in the lower part, high quality speakers 2x bass, 2x mid and 2x tweeter
External Loudspeaker	**Active loudspeaker box VOCALIS:** Finally there is a loudspeaker box that also realizes sonically what your precious WERSI instrument demands. Experience brilliant sound in brilliant form. High-end acoustic properties find their place in an aesthetically and high-quality designed column cabinet - and that at an incredible price/performance ratio! Features: Manufacturer: Wersi - Number of speakers: 5, size woofer: 4 inches - Frequency response from: 35 Hz to 28,000 Hz - Weight: 23.75 Kg - Width: 22.2 cm - Height: 109.0 cm - Depth: 28.6 cm			

HOUSING - DIMENSIONS - WEIGHT			
Cabinet	Available in high-quality finishes in metallic black, pearlescent white, metallic brown or a color of your choice and in various real wood veneers			
Dimensions (W x H x D)	1230 x 980 x 620 mm	1230 x 1020 x 1040 mm	1340 x 1090 x 1150 mm	1340 x 1090 x 1150 mm
Weight	80kg incl. organ bench	107 kg incl. 25-pedal key and Bench	115 kg incl. 25-pedal key and Bench	115 kg incl. 25-pedal key and Bench

Note	The WERSI OAX system is constantly being further developed. Please check the latest development before buying.