


Böhm

SEMPRA

organ - redefined

www.boehm-organs.com
the organ manufactory



ONLY REAL INNOVATION CREATES
THE BEST FOR YOUR MUSIC



Some of the instruments shown in this brochure are provided with optional equipment or cabinet versions.

For more than 60 years, Böhm Organs have been known for their innovation when building electronic musical instruments, a tradition, which no other German organ manufacturer can look back upon. The inventiveness of our engineers and musicians has repeatedly set benchmarks in sound and technology.

Many BÖHM-ideas have extensively influenced not only their own organs but also those from other manufacturers.

With **SEMPRA** we set new standards for the electronic organ:

Innovative playing functions and a completely new technology, for the first time introduced to organ building, have been specially designed to provide functional stability, intuitive handling and ultrafast performance. This ensures great pleasure when playing the new **SEMPRA** instruments like you have never experienced before!

We are confident that with the BÖHM **SEMPRA** you will experience one of the most modern and rich sounding musical instruments of our time. Why be satisfied with less than the best for your music?

Enjoy the fantastic possibilities of **SEMPRA**:

ULTRAFAST - The fastest starting-time of all contemporary organs: Your **SEMPRA** is ready for playing in less than 5 seconds and maintains the same top-performance at all times as a result of the completely new technology: **SEMPRA** is not yet another PC-organ. **SEMPRA** is completely different with a new optimized CPU, specially designed to deal with complex functions. Integrated with the **SEMPRA REALTIME PERFORMANCE** operating system developed by BÖHM it handles all the organ operating functions with ease.

SIMPLE HANDLING - The completely newly designed and easy to understand interface, together with intuitive display-menus, will turn playing and registering your **SEMPRA** into pure pleasure.

TOUCH or BUTTONS? There have already been many discussions amongst organists about the benefits of touch- or button-operated systems. There is no “best solution” so simply forget all these discussions and operate your organ in the way YOU prefer. **SEMPRA** lets you choose. Almost all functions may be either reached by using the highly precise 9" wide view touch display (IPS technology) or by the buttons around the display or the data wheel.

3D PRESETS - This is a new and innovative global preset system for **SEMPRA**: No more long searching for your favourite registrations! All settings for a title including several global presets, style and accompaniments are combined in so-called SONGS. These SONGS may be archived in themes and albums, and are instantly recalled through a separate operating area for albums. You may also organise your SONG-list into banks, styles or musical genres...which again you will be able to recall as quickly as the matching SONG settings.

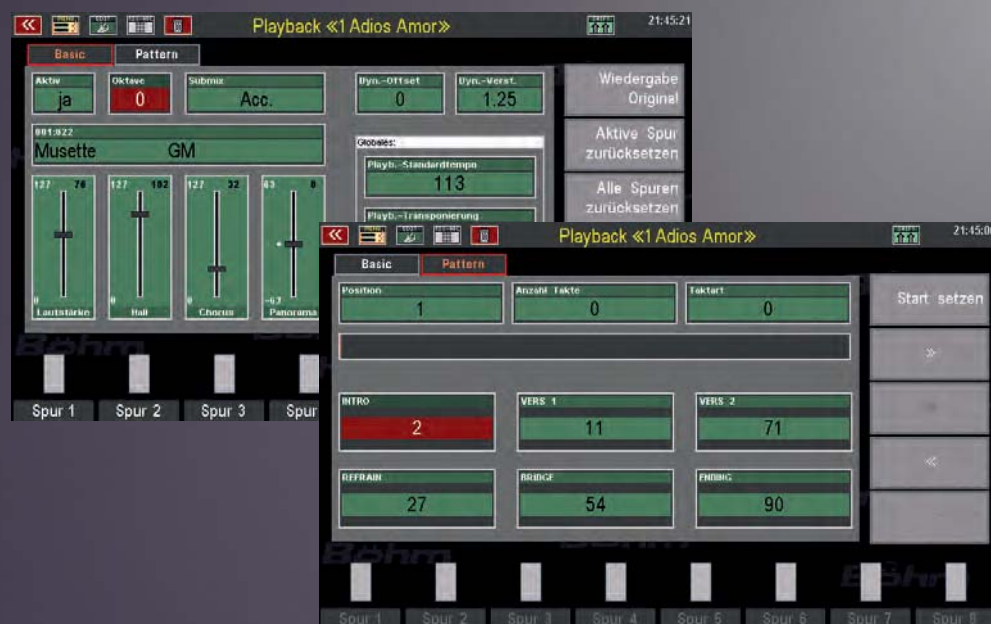
With up to 6 single presets, you are able to perform your musical piece in a very flexible way and with a lot of variety. With our special playing facility, a complete repertoire is already available on your **SEMPRA**. Our musicians have created about 900 SONG PRESETS which have been integrated in **SEMPRA** and these are all ready for you to use. You may start playing right away and enjoy the fantastic sounds of your **SEMPRA** - so easy, so convenient!





EASY STYLE CREATE - The accompaniment-orchestra of your **SEMPRA** offers „ex factory“ a selection of more than 350 perfectly arranged accompaniment styles, each with four variations and up to four Intros and Endings. But fortunately we are never satisfied! You may, therefore, easily, flexibly, and very quickly, edit these or newly loaded styles in the new **SEMPRA** Style Editor. You may even add further tracks etc.

Styles in YAMAHA format (up to Tyros 5/Genos) can be imported direct and be edited in no time. Up to 1024 user styles, as well as the factory styles, may be stored in your **SEMPRA** and are instantly available.



INTERACTIVE PLAYBACKS - The musician will experience complete creative playing, when he stays in charge of the sounds, melodies and accompaniment at all times. Simply running pre-fabricated audio-files is restrictive. Styles and midi-files allow you the freedom to adjust your accompaniments to suit your arrangements. **SEMPRA** goes yet another step further and provides a new dimension of creativity when playing with midi-file playbacks.

For the first time, you will be able to play your music flexibly as with styles! Quickly separate a midi-file into musical parts (intro, verse, refrain, ending...), which you may call up during playing by using the corresponding style-pattern button. This way the midi-file will become a perfect match to the song but also an individualised accompaniment.

Naturally you may also adjust the instrumentation of your midi-file to match your arrangement, mute unwanted tracks etc. Your midi-file can be saved the same way as styles, into genre groups and categories, and be called up just as quickly.

MOST MODERN STORAGE TECHNOLOGIES - What has been saved will remain saved. Quickly load or save your data from/to USB-stick. Even the complete organ can be saved on USB-stick as a user-account and be played from there. E.g. enter your USB-stick into the **SEMPRA** of a friend, and the organ will turn into yours!

REAL ORGAN - Not less than today's most versatile drawbar-organ with several organ simulations, adjustable drawbars and sensational sound. Modern physical modelling techniques make it possible: the **REAL ORGAN** comes with the most realistic simulation of the typical tone-wheel-organ sounds which is correct in every detail. With up to 12 real drawbars you can set your drawbar-registration in real time, and all can be set just as quickly by gesture-setting on the display screen. All the important organ-functions like percussion, vibrato/chorus and of course the rotor effect, can be operated by using the relevant buttons. Your global presets will "remember" even the most complex tone-wheel settings. But always only 9 drawbars? No! With **REAL ORGAN EXTENSION**, you will experience the legendary sound of the Böhm DS-organ generation, the Professional 2000, several further German and also American organ types like the famous Hammond H-100 from the golden organ age. Up to 12 sinus bars on the upper manual, containing the true original settings and of course, the natural phasing rotor or scanner vibrato emulation, will let arguably the best sinus-sound in the pop-organ era come to life again in your **SEMPRA**.

AMADEUS 2.0 - the famous Böhm tone-generator, well known for its unequalled warm and silky sound, now has new drums and sounds. Around 1500 fantastic sounds are waiting to be experienced by you. Apart from that, the sound-potential of AMADEUS2 may always be extended by further sound- and sample-packages, e.g. church- and theatre-organ, accordion fascination, movie sound, etc.

INNOVATIVE PLAYING FUNCTIONS The unequalled flexible playing- and registering possibilities of BÖHM have been designed to be even easier to use in your **SEMPRA**. The possibilities have even been extended by interesting new functions. For the first time in any organ you can extend your creativity by playing several solo-chord sounds and types simultaneously on several keyboard sections. A Glenn Miller sound here, an octave string section there – no problem with **SEMPRA**!





CLOUD STUDIO INTEGRATION - New sound horizons open for your music with the addition of Böhm Cloud Studio. With Cloud Studio, you will also be able to play virtual (VST) instruments, sample libraries, or HAUPTWERK church organs on your **SEMPRA**. On top of this you may use Cloud Studio for your digital (sheet) music archive and display the “sheets” on the separate 17inch touch monitor. To enable you to start straight away, we distribute Cloud Studio with a high-class sound package. With Halion6 and the Absolute 3 plug-in-package by Steinberg, we have probably integrated the most modern software-sampler available at present into the Cloud Studio, and have pre-installed more than 400 of their fantastic sounds (more than 14 gigabytes of samples and sound-material) in the organ. Enjoy playing e.g. a bombastic virtual grand piano, ultra-realistic orchestral sounds, electronic organ sounds and solo instruments including the most modern synthesizer sounds for contemporary pop- and dance-music. With Cloud Studio, all the sounds in the world are available for you!

With Böhm you do not play copied or compressed sounds from plug-ins, but the original plug-ins and their sounds! The powerful PC in Cloud Studio is much better equipped than many PC-based organs, not only considering its processor (most modern Intel Core i7) or its RAM (32 GB are standard), but it is, unlike such instruments, exclusively used for the sound generation without having to operate the whole organ as well. **SEMPRA** only has to look after itself. A brilliant solution because this way, organ and VST sound-module can each develop their highest performance potential!



UPGRADABLE - Do you recognise the organ in the picture on the left? Exactly, this wonderful former Overture M3 was upgraded to a SEMPRA SE60. In good Böhm tradition, all organs of the model range Starlight, Overture, Sinfonia, Emporio, and also many of the two-keyboard Silverbird models (Premium, Platinum, SVB 27), can be upgraded to the new **SEMPRA** technology. This way, your beloved instrument will become a new organ with the most modern technology with all the features and possibilities of our new **SEMPRA** generation. We have promised: Your Böhm instrument will not go out of date!

SEMPRA SE 10



You can just play keyboard.... or you can play **SEMPRA**!

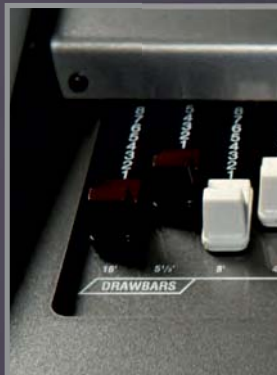
The new **SEMPRA** Keyboards combine all the musical power of the **SEMPRA** organ models in two compact, one-manual instruments. Choose your version:

SEMPRA SE 10:

„Piano“ version with 76 weighted keys.

SEMPRA SE 10 DB: „Organ“ version with 61 weighted keys and a set of 12(!) real drawbars. Of course, the sensational **RealOrgan** drawbar sound module is also integrated here (optional for the 76-key version), with which you can play up to 12-voice drawbar organ types.

With additional software packages, you can also add the drawbar sounds of many legendary vintage organs from the great pop organ era to your **SEMPRA**- of course with all footages, full percussion and authentic rotary and vibrato effects. A dream come true for all organ lovers!



SEMPRA SE10 DB



To get you started right away, the Se10 comes preloaded with ready-made SONG presets for hundreds of popular songs. Enjoy your play from the first moment!

For the **SEMPRA** Keyboards we supply a wide range of accessories, such as portable or solid wood stands, solid wood, suitable active loudspeaker system, pedal boards, etc.

Let us put together the instrument of your choice, whether for the stage or as an elegant stand model for your living room.



SEMPRA SE20



The compact 2-manual organ **SEMPRA SE20** is available as an easy-to-transport keyboard organ as well as a complete stand model **SEMPRA SE20 „home“** with solid wood stand and powerful multi-way speaker system.

The keyboard version is your luxurious two-manual companion and puts you in the focus on every stage. To this version we deliver on request various stands, as well as sepearte positionable pedal and swell.

The **SEMPRA SE20 „home“** is a beautifully shaped console model and the perfect instrument for every organ enthusiast who is serching for an exceptional top instrument with only little space requirement.

The **SE20 "home"** comes with a powerful built in multiway speaker system.

And since only the best is good enough for us, our built-in loudspeaker systems are powered by a Class-D amplifier from the Danish high-end manufacturer Bang&Olufsen (2 x 250 watts).

You'll hear the difference!

Of course, the **SEMPRA SE20** can also be equipped with a 25-key full pedal.

The **SEMPRA SE20** is the ideal organ model for the demanding entertainer, but of course also for all those who prefer a particularly compact instrument at home without having to forego the full performance of SEMPRA technology.



Like all Böhm instruments, the **SEMPRA SE20** can also be built in our organ manufacture in bespoke handmade quality with exactly the outside finish, that you personally desire! And also, with our “smallest” organ model, the wooden side parts, the base and the bench are not made from cheap press wood or MDF, but from high quality solid wood or even real wood if desired. A quality, which you will hardly find elsewhere in the organ market.

Your eyes – so to say – will also “hear”, along with your ears. That's why you should decide yourself, how your **SEMPRA** will look. On demand, brilliant lacquering is also an option, in white, black or in your personal favourite colour.

Böhm simply offers quality, through and through –

SEMPRA SE40



A two-keyboard quality organ which shows just by its exceptional design, how extraordinarily musical it is.

SEMPRA SE40 is an eye and ear pleasing organ of the highest quality. The case, like that of all Böhm instruments, is made of high class hardwood. You may choose a polished wood finish or brilliant lacquering in your favourite colour.

Select your **SEMPRA SE40** either with 17-key pedal board or with 25-key full pedal board. In good tradition, the Böhm pedal boards also come with touch sensitivity.



SEMPRA SE40 with
Cloud Studio



Your **SEMPRA SE40** looks good from every angle. All cable connectors disappear behind a shutter in the top case. If you would like to transport your organ more frequently, all cable connections between upper and lower case can be made with by a long lasting solid connector in the leg on the right. The upper case may then be lifted on and off, without having to open the organ or having to connect and disconnect cables each time. Quite often, it's just these "little" things that make all the difference...



SEMPRA SE60

All good things come in threes – as we say! **SEMPRA SE60** provides you with the complete spectrum of our innovative new technology but with three keyboards. The new, dynamic design gives this precious instrument a distinctive appearance, and you hardly realise, how compact this concert organ really is.

SEMPRA SE60 is the best value three-keyboard universal organ in the market but still provides you with playing facilities, performance and sound quality which are unequalled at any price.



Also the **SEMPRA SE60** is available with either a 25-key full pedal or 17-key pedal and in a wide variety of wood finishes or brilliant lacquerings.



With **SEMPRA SE60**, you may also choose between a 25-key or a 17-key pedal board. Just imagine, you might be playing some great pieces of music from the classical organ repertoire, then, a moment later, a big-band, a symphonic orchestra or modern dance-beats...

The source of your musical inspiration could be the incomparably warm, rich and silky Böhm sound from the AMADEUS2 sound system. It already provides you with around 1500 sounds but by adding diverse sound and sample-packages, you may even extend this musical potential.

Enjoy the legendary sound of the drawbar organ in a quality and versatility that is unique in the world of electronic organs. The Böhm **RealOrgan** delivers fantastic drawbar sound with up to 12 (!) footages. Software packages bring the sounds of many famous, legendary vintage organs into your SEMPRA. A dream come true for all organ lovers- all the famous organ characters in one instrument!

Böhm **SEMPRA SE60** will give you pure musical enjoyment under both your hands and feet!



SINFONIA 480 SE



Your personal dream orchestra has a name:
Böhm **SINFONIA 480 SE**

Never before has there been such a versatile instrument in such a compact cabinet. The **480 SE** is a fully-fledged Sinfonia with the same playing and sound possibilities as the large **Sinfonia 500 SE**. And it can also be equipped with the same number of simultaneous sounds per manual/pedal, number of sound modules, quadrophony, sound and style packages, etc..

Like all Böhm organs, the **SINFONIA 480 SE** is available in various high-quality versions. We deliver the valuable solid wood cabinet in your desired wood tone. Real wood finishes or brilliant lacquering are also available as an option.

The „home“-Edition of the **Sinfonia 480 SE** comes with a powerful active multiway speaker system with original Bang&Olufsen amplifier technology.

The "concert" edition includes the **Sinfonia 480 SE** without built-in speakers and amplifiers, for use with external amplifiers or active speakers.



European top organist **DirkJan Ranzijn** and his dream instrument: **Sinfonia 480 SE** Designer Edition on golden columns, brilliant lacquering, colour illuminated acrylic music stand and 25 key pedal.

The **SINFONIA 480 SE** is available with a 17-key pedal as well as a 25-key full pedal- of course all pedals of our organs are fully polyphonic and playable with velocity.

A full drawbar profile and the optimal arrangement of all buttons ensures perfect playing comfort and allows you convenient direct access to all of the versatile functions and sounds. It has never been so easy to master such a large organ. The innovative **SEMPRA** technology makes this possible!

On the left you can see our star organist **DirkJan Ranzijn** at his **Sinfonia 480 SE** in the designer edition on golden columns, brilliant lacquering and an effective illuminated music stand- an idea which, like many others before, was realised for the first time by Böhm.

With this organ DirkJan Ranzijn regularly performs his concerts all over Europe. In the **Sinfonia 480 SE** he has found his dream organ - and his audience is just as enthusiastic about the sound as he is himself!



SINFONIA 500 SE

Is it the special design or the outstanding musical performance that makes the **Sinfonia 500 SE** so incomparable?

An exclusive cabinet in valuable solid wood, which is for many organ fans one of the most beautiful of all, two 5-octave manuals, full drawbar profile and a 30-key full pedal are the characteristics of this exceptional organ.

Experience the fascination of a really great organ, whenever you play on your **Sinfonia 500 SE**.

The playing possibilities and the sonority of this organ are so inexhaustible that you will not find anything comparable in any other instrument of this class. Play up to 8 instruments plus Real Organ Drawbar, MIDI-Sound and Solochord per manual.

Even the largest orchestra arrangement will be a piece of cake on the **Sinfonia 500 SE**.

If you add another AMADEUS2 sound module, you can even divide your music over the four audio channels of the true quadrophony offered by the **Sinfonia 500 SE** - another innovation in organ building that can only be found exclusively at Böhm.

Or revive the legendary drawbar sounds of many famous vintage organs with the fantastic **SEMPRA RealOrgan**. You won't find such an outstanding and versatile drawbar system anywhere else. Böhm has fulfilled a dream for many organists. Because an organ is above all an organ. And that's what you have to hear- as with the **RealOrgan**!

Both on the smaller models optional sound packages CLASSIC COMPLETE (church organ) and THEATRE ORGAN are, of course, standard equipment on all **SINFONIA 480** and **500 SE** organs. Thus the **Sinfonia** becomes a large, sublime pipe organ or theatre organ under your hands (and feet, of course).

No matter which music style you prefer- you can always expect top performances



EMPORIO 600 SE



If you make the highest demands on a musical instrument and compromises are not your thing, then the Böhm **Emporio 600 SE** is the instrument of your choice!

Following our long tradition of superlatives in organ building, we present with the **Emporio 600 SE** a truly royal instrument. This organ is exceptional in all details.

The valuable solid wood cabinet accommodates three weighted high-quality keyboards, whereby on request- and uniquely in organ building- a 76 key hammer action Piano keyboard can be used in the lower manual.

With the **Emporio 600 SE**, even the most demanding player is optimally equipped for the sonorous interpretation of any kind of music. Up to 10 instruments, RealOrgan drawbar organ, solo chord and a MIDI instrument can be played on the manuals.

You can control the entire variety of sounds with the innovative 3-D Presets at your fingertips. Simply select the appropriate SONG for your piece of music- and up to 6 individual registrations for the SONG are available for you.

Your AMADEUS accompaniment with hundreds of perfectly pre-arranged styles looks forward to play together with you.

The powerful quadrophonic loudspeaker system of the **Emporio 600 SE** "home" with 2 Bang&Olufsen power amplifiers transforms your playing into room-filling great sound.

Upon request, the **Emporio 600 SE** is also available in the "concert" edition without built-in speakers and amplifiers.

Indulge in the magnificent soundscape of the Böhm **Emporio 600 SE**. We promise you a playing experience that will make you forget what you've known so far!



SEMPRA SUPPLEMENTS:

Make even more out of your **SEMPRA**. Hardware and software add-ons allow you to expand the potential of your Böhm instrument individually, as you wish:

REALORGAN DRAWBAR SOUND MODUL

The drawbar sound is still the "heart" of the organ! And that's why our development engineers and musicians have done such a good job: Many organs today have good tonewheel emulations. But the Böhm **RealOrgan** offers more: With up to 12 footages already in the standard equipment, the sound spectrum of the drawbar sound is significantly extended. In addition, all typical effects such as rotor sound, percussion, chorus & vibrato, overdrive, key click etc. are available in excellent quality. All settings of the **RealOrgan** can be individually stored in the SONG presets of the **SEMPRA**. With a selection of preset drawbar settings for each organ type, you can bring the legendary sounds of the most famous organists to life at the touch of a button.

The RealOrgan is standard in all **SEMPRA** models from the **SE 20 „home“** upwards and in the **SE 10 DB**. The **SE 10** and the **SE 20** keyboard version can optionally be equipped with the **RealOrgan**.

REALORGAN EXTENSION PACKS

With the additional organ packs you expand the sound spectrum of the **RealOrgan** with the typical drawbar sounds of many legendary organ types. At last not only the B-3, but all the famous drawbar organ sounds in one instrument. Including typical effects like phasing rotor, full percussion on all footages, etc. A dream comes true!

Böhm Vintage : 2 types: Dr. Böhm Professional 2000, Orchester DS

WE - Vintage: 2 types: We-lios, We-ctra

American: 5 types: Good B-3, Played B-3, Shabby B-3, Klaus' H-100, Chicago

AMADEUS DSP EXTENSION

Many AMADEUS2 sounds in **SEMPRA** use the internal DSP effects from the AMADEUS sound module.

Now you can increase the number of DSPs per AMADEUS module from 2 to 4 DSPs. In a **SEMPRA** with 2 AMADEUS2 modules, for example, there are already 8 DSPs available. This makes you much more flexible when using such FX sounds in your registrations, even if FX sounds are also used in the Style.

AMADEUS SOUND EDITOR

The **Amadeus Sound Editor** is your creative tool for generating your own AMADEUS2 sounds - directly on the instrument.

Create new sounds from up to 4 individual element sounds. Each of them can be individually edited using numerous sound parameters. This provides envelopes for volume, filter and pitch, as well as various sample parameters and up to two LFOs that can affect pitch (vibrato), volume or timbre. In addition, the **Amadeus Sound Editor** also gives you access to the special "Art" playing parameters. This allows you to determine whether individual elements should always sound, or only when a certain number of keys have been pressed, or whether they should sound random. This makes it possible to create particularly sophisticated sounds with interesting playing and articulation functions.

Of course, the **Amadeus Sound Editor** also gives you full access to all parameters of the AMADEUS effect DSP. So you can refine your sounds with chorus/rotor, distortion, wah wah or echo-effects, all of course freely programmable! A 3-band equalizer provides the final tonal fine-tuning if desired.

CLASSIC COMPLETE CHURCH ORGAN PACK

The "ultimate" for all friends of classical organ music: Whether Bach, Widor or Reger, with Classic Complete you will experience the whole world of sacred organ music on your BÖHM organ in a perfection

never before heard from an electronic "Universal" organ! With more than 240 individual stops and register combinations including C/Cis separation as well as a bank of SONG presets (setzer combinations), you can play the works of the great masters in a tonal perfection that is otherwise only possible on a large church organ.
Classic Complete is standard on **Sinfonia-SE** and **Emporio-SE** models.

THEATRE ORGAN PACK

With this sound package you expand your SEMPRA with a large theatre organ with typical stops and sound effects (pneumatically generated by corresponding instruments in the original).
Two sound banks with single stops and combinations as well as a bank with SONG presets lovingly created by the theatre organ specialist Bernd Wurzenrainer will revive the legendary sound.
The Theatre Organ pack is standard on **Sinfonia-SE** and **Emporio-SE** models.

ACCORDION FASCINATION

The accordion in all its different variations is without question one of the most popular musical instruments in the world!

The basis of this package is a total of 80 accordion sounds. Our musicians have recorded typical stops from different accordions and created a mix of single stops of any type. In addition there are 15 further "bonus" sounds, including special bass/chord sounds, which allow a typical accompaniment, like on a "real" instrument!
From these sounds our musicians have put together new "virtual" accordions. The advantage of this mix is that you can combine individual registers of different accordions to a completely new "instrument" in the form of your own global presets (or your own sounds).
Many typical characteristics of the original instruments have already been pre-programmed in the "Art" functions of these new accordion sounds- so you don't have to worry about that yourself when playing!

MOVIE SOUND COLLECTION

No organ has ever sounded so cinematic! A sensation for all friends of the great works of film music. 128 fantastic sounds with hundreds of new samples for the AMADEUS2 sound generation of your SEMPRA.

The **AMADEUS MOVIE SOUND** Collection contains epic strings and horns, impressive soundscapes, pads and cinema percussions, ethno and solo sounds such as French oboe, monochord, orchestral harp, duduk, uilleann pipes, combination sounds with interesting playing functions, and much more. Of course, these sounds can not only be used for film music, but also excellent for classical music and many other styles.
The AMADEUS2 DSP effects and "Art" playing functions were used extensively here, with which you can control the sounds very differentiated and e.g. change the cast of your film orchestra directly while playing.
A special kind of sound experience!

VIVA MUSICA VSP PRO SEMPRA

The **VSP** (Viva Style Performance) is an all-round package with hundreds of perfectly balanced sounds, SONG presets and styles. The individual parts of these software complement each other to form a complete package that is much more than just the sum of its parts!
Perfectly prepared for your organ playing, the new **VSP** offers the latest features and the sophisticated "VSP Sound Tuning" in the Champions League.
- and all that at the push of a button!

The package contains 397 VSP Pro Sounds, 341 VSP Global Presets and 85 Performance Presets in own 3-D SONGs, 66 VSP Pro Styles and much more!
The **VSP** will make you love your **SEMPRA** even more!

SEMPRA FEATURES

• GENERAL:

- Keyboards with 61 or 76 keys, weighted, with high-resolution **qnamic** velocity and aftertouch, pedal boards with 17, 25 or 30 keys, fully polyphonic
- Lower manual of the Emporio 600SE: 76 weighted keys, on request also available as piano keyboard with hammer action
- Organ operated by new basis technology, with HIGH PERFORMANCE REALTIME operating system, no Windows- or Linux-PC. Organ will start in less than 5 seconds. Ultra-fast operating reaction-times.
- Simple, easily understandable handling.
- Nearly all functions can be called up either by the wide-angle ultra-fast 9" touch-screen or by buttons and switches.
- Up to 4 (SE10/20/40) / 6 (SE 60/480/500SE) or 8 (600SE) sounds/split zones per manual (more depending on model via optional part extensions)
- Additional parts for drawbars, Solochord, MIDI Out
- Solo manual SE60: 2 sounds/split zones, 600SE: 3 sounds/split zones
- Many parameters of the sound are adjustable such as dynamics, split-zones, polyphonic/mono playing, sustain on/off, portamento, etc.
- MULTI-SOLO-CHORD: Any keyboard-parts may be defined as solo-chord-instruments and are able to play with individual solo-chord-types
- Sound administration for more than 16000 sounds is possible in combination with MIDI sound-generators or VST-plugin-ins (e.g. Böhm Cloud Studio)
- 3D-presets: the innovative new global-preset-administration. Up to 6 single-presets and accompaniments can be saved as a SONG. SONGs can be filed in multiple categories, also can be combined in ALBUMS and THEMES. Integrated song-player function
- SONG-list with presets for around 900 well-known musical pieces pre-installed
- Preset-buttons (pistons) between the keyboards, for ultra-fast preset changes, without having to lift your hands from the keyboard
- All sliders and drawbars freely programmable
- Pitch and Modulation wheels freely programmable

AMADEUS2 sound generation

- 1 or more AMADEUS2 sound-module with 1500 sounds + 128 GM sounds; 25 drum kits

- Sound-library extendable by sound-packages (e.g. church organ, movie sound, accordion, etc)
- 117-time polyphony, maximum polyphony: 585 voices on Emporio 600SE
- Reverb and chorus adjustable for each instrument
- up to 4 DSP multi effect processors per AMADEUS2-sound module
- AMADEUS2 Sound Editor (optional)

BOHM REAL ORGAN (optional for SE10 and SE20 keyboard version):

- Ultra-realistic tone-wheel organ-simulation through physical modelling, separate unlimited polyphony
- 9/12 mechanical drawbars for upper, lower etc.. Drawbars can also quickly adjusted by gesture-operating over the touch-screen
- Important organ functions (percussion, vibrato/chorus, rotor-effect) are directly accessible by operating-buttons
- Upper manual up to 12 footages, lower manual up to 10, pedal up to 6 footages.
- Attack, sustain, percussion-time, rotor parameter etc. adjustable by touch-screen, all REAL ORGAN settings are saved within the global presets. Up to 32 user and factory settings per organ type
- REAL ORGAN EXTENSION (optional): Several additional organ-types, relating to the legendary BÖHM and other analogue-organs with 12 drawbars in upper manual.

CRYSTAL MIXER

- Studio quality Pre-Amp-/effect-section
- Multiple mixer functions e.g. for adjusting to room acoustics
- Seamless adjustment to swell for drums, accompaniment, 0 dB input
- 2 (Sinfonia/Emporio: 3) effect-DSP's for echo (128 programs) and chorus (fully editable), 11 effect-presets can be saved

ACCOMPANIMENT

- Altogether 4096 style-places, around 350 styles with 4 variations are in built.
- Up to 1024 user styles may be added
- Direct loading/converting of styles in YAMAHA format
- Comprehensive but easy to use style editor

- Style patterns may be modified by adding extra notes using the recording function, or played completely new
- Existing patterns may be used as sample for new patterns
- up to 4 intros/endings per style, 4x fill, fill up/down, break ritardando, sync start/stop, tap tempo
- 8-track arranger with diverse accompaniment modes, may be operated from any keyboard-area or pedal-board
- Arranger-groups and single drum-instruments can be muted directly
- INTERACTIVE SONG PLAYBACKS: MIDI-files may easily be edited, split into zones by setting markers related to the style-pattern buttons. This way, MIDI-files can be interactively operated as playbacks, just like a style.

CLOUD STUDIO (optional, not for SE10/SE20)

- BÖHM CLOUD STUDIO ready to be fully integrated: Top performance PC-sound-module for VST-instruments or virtual HAUPTWERK church-organs
- High-performance PC with latest Intel Core i7 processor, Windows 10, min. 32 GB RAM
- PC only operates the separate sound-module, so no performance capacity needed for organ-functions
- Steinberg HALION6 and ABSOLUTE3 VST-sampler- and sound-package pre-installed
- More than 400 sounds from these are ready to be played including virtual grand-pianos, many orchestral sounds, modern synthesizer, organs, etc.
- 17.4" touch screen for CLOUD Studio, integrated into the music-rest, other display-variations possible on demand
- HAUPTWERK software (free edition) for playing virtual church-organs pre-installed. Full-licenses available at request
- Integrated digital music display (JPG, PDF), with online-cloud-support, music-data selectable through the organ-presets
- Separate USB-connector for the Cloud Studio PC-module in the top case

MISCELLANEOUS

- Comprehensive MIDI-masterkeyboard-functions: 8 x USB MIDI, 2 x MIDI OUT, 2 x MIDI IN, 2 x MIDI THRU, 1 x MIDI-Pedal-board IN
- USER ACCOUNTS: each player may save his own data in a personal user account. User accounts can be exported onto a USB-stick and be played from this stick, e.g. when playing on other SEMPRA models
- A USB PC-keyboard can be connected for ease of typing in names etc.

- LED lighting on upper case (not with Se20)
- Up to 4 foot-pistons (optional)
- SE40/60/Sinfonia/Emporio: Connector, available on request, between upper case and base. This enables easy transport as the Upper case can just be lifted on and off, without having to open or close it or change cables
- All cabinet parts in solid wood (stained to your choice of finish) or if required in real solid wood with brilliant coloured paint finish

CONNECTORS

- Headphones, Mic
- MIDI SE10...SE60: 2x MIDI IN, 2x MIDI OUT (2 x 16 real channels), MIDI In pedal, MIDI THRU, MIDI 480SE...600SE: MIDI OUT, MIDI IN
- LINE IN Stereo
- Audio SE10...SE60: LINE OUT Stereo, 480SE...600SE: Front Stereo Out, Rear Stereo Out (for quadrophony) SE20...60: Speakers right/left
- USB SE10...60: 3 x USB organ, 480SE...600SE: 4 x USB organ
- Optional with Cloud Studio: 2 x USB, 1 x HDMI (for the PC-module)
- up to 2 swell pedals, with 2 foot-switches each (all freely programmable)
- up to 4 foot-switches/pistons, freely programmable

SPEAKER SYSTEM home versions (starting from SE20 "home")

- High-class multiway speaker-system in the base
- Additional tweeter in the upper case (not with SE20)
- Powerful Class-D Stereo-Amplifier (Bang & Olufsen), 2 x 250 watts
- Quadrofonic sound via 4 audio channels/2 amplifiers on Emporio 600SE

MEASUREMENTS (L x W x H)

- SE10: 1180 x 420 x 160 mm, weight: 19 kg
- SE20 top: 1170 x 580 x 260 mm, SE20 „home“: 1170 x 580 x 960 mm
Height: „Home“ with music rest: 1110 resp. 1315 mm (with Cloud Studio)
- SE40: 1260 x 670 x 1060 mm
Height with music rest: 1280 resp. 1330 mm (with Cloud Studio)
- SE60: 1260 x 820 x 1130 mm
Height with music rest: 1350 resp. 1400 mm (with Cloud Studio)
- Sinfonia 480 SE: 1260 x 1130 x 770 mm, depth with 25 key pedal: ca. 1300 mm
- Sinfonia 500 SE: 1380 x 770 x 1320 mm
- Emporio 600 SE: 1380 x 860 x 1380 mm



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