

# ...the Orchestra with a Future

The ALPHA DX 300 combines the features of the legendary Wersi organs HELIOS or GALAXY with the future-oriented capabilities of digital electronics. And we did not stop half way into the future: The most advanced technologies are employed in the ALPHA DX 300 in a convincing yet easy to master fashion. The ALPHA DX 300 represents a new dimension among the Wersi organ models. That means, the ALPHA DX 300 contains a remarkable array of musical capabilities, unique and previously unknown in its class.

Of course, the ALPHA DX 300 possesses all well known Wersi features like the famous drawbar sounds and the authentic voices of the fixed stops. The timbre of classical musical instruments such as violin, trumpet, piano and many more have been preserved and, in many cases, improved.

The differences between the organ's rendition of an instrument and its acoustical counterpart can only be measured by analytical methods. The human ear can hardly notice any discrepancy. The secret is found in the Wersi DMS system (Digital Music Sound). It allows the nearly perfect synthesis of any desired voice — at any time. Even the subtle nuances between an "Amati" and a "Stradivari" violin can be recreated.

All voices of the organ can be blended together in any combination by means of the integrated music computer. Truly new sounds can be generated this way, an endeavor that used to require the use of complex sound studio equipment.

Several patents testify to the high standards of technical achievement. Dozens have been filed worldwide, or are pending. We expect numerous new patents as a result of the research for the ALPHA, documenting the extraordinary achievements. Naturally, we are proud of this. But more importantly, we feel that our customers deserve the confidence of owning an instrument that allows impressive renditions for both the hobby musician as well as the professional.

The ALPHA DX 300 also sets new milestones in the area of easy do-it-yourself assembly. A few clearly layed out plug-in circuit boards are joined by a printed backplane board. Half a dozen prefabricated ribbon cables complete the wiring. They are simply plugged onto connectors—there is nothing to it. The assembly manual from authors with many years experience make the kit assembly easier than a jigsaw puzzle. The ALPHA goes together fast and without these.

A carefully designed diagnostic test method assures comprehensive testing of all assembly phases without the effort required for earlier organ generations. Every time the organ's power is turned on, it undergoes a self test, resulting in an assuring "OK" on its display.

The timeless styling of the cabinets emphasizes the valuable contents. Like the other Wersi organs, the ALPHA DX 300 truly is "Made in Germany": Top quality components, solid engineering and excellent craftsmanship.

The ALPHA DX 300 sets new marks in a technical and musical sense and — as a pleasant surprise — also financially. There is simply no other instrument that offers comparable features for such a low price tag.

The ALPHA DX 300 makes you the proud owner of an extraordinary instrument for your home, sound studio, stage or wherever any type of keyboard sound is needed. The future becomes reality today.

"Digital" has become the byword for perfection. The most advanced recording and receiving equipment, cassettes and LP's are turning to digital techniques. Why? There is no other method of information transfer that assures greater fidelity and immunity against disturbances than the digital technology.

However, it is important that the digital principles are employed throughout. It does not make sense just to "digitize" certain internal functions and mix in analog circuits in more or less random arrays. The ALPHA DX 300 is designed as a truly digital instrument throughout. Only at the very end of the chain of events, after the sounds are completely "made" the digital signals are converted to analog (audible) signals.

This rigorous scheme results in the greatest design flexibility and makes it possible to achieve a performance spectrum that, heretofore, was only attributed to instruments of the top class like COMET, HELIOS or GALIAXY.



Pocket calculators, digital watches and similar products have excelled as being rugged and reliable devices. Other advantages are low power consumption and longevity. The ALPHA DX 300 employs the same technology assuring unblemished joy while building and playing the instrument.

It may be more important yet to mention that the ALPHA DX 300 is ready to "learn" more than it already "knows". New voices or new sound effects can be entered anytime by means of "Software cassettes" or any external computer. We believe that the proverbial Fountain of Youth has finally dawned for the keyboard instrument.





**DMS Instruments** 

The 39 so-called fixed stops or strings and plano).

Each sound is divided into two time-

ALPHA Digital

**DMS Controls** 

Of course, the ALPHA DX 300 also features the well known special effects of earlier Wersi's like the inte-Code Programming
The built-in Music Computer allows a
myriad of sound mixing. Almost

**Choir Register** 

e. g. its brilliance can be adjusted in several steps.

Rhythm and Autoaccompa CX 3

The "CX 3" basically has the same features as the successful CX I and

**Slide Controls** 

WESSICHORD is the name for an automatic chord system. Any chord played in the lower manual automatically transfers is a single note lyadyed on the upper manual. This makes is playing single note. Also, fast traine on the upper manual. This makes is playing single note. Also, fast traine on the upper manual can be played in fall chord sounds. The registration sound of the WESSICHORD harmony can either be different or the same as the single note.

All visions unsignable to either paraiments of the single note.

Many special effect (sinclading UCF, VCA and WESSIVOICE);

Automatic Porthum unit with directive manual registrations. Microphone Mixer

A built-in audio mixer can be use
blend a microphone input in voland tone into the organ's own so Automatic rhythm unit with digital ly stored instruments;

# ALPHA Digital DX 300

WERSICHORD WERSICHORD is the name for an

Any number of rhythm patterns are programmable and can be stored on and recalled from cassette.

- The unbelievable organ which stays young

   An organ with true-to-life voices, brilliant solo registers, famous Werst drawbar sound and much more;
- Unlimited new sound variations (incl. drawbars and special effects) by means of the built-in computer;
- All functions and sound parameters are programmable and can be stored (drawbar setting too);
- Many organ functions and sounds available at any time through simple software changes;

  6 total organ registrations can be preset:
- Autoaccompaniment can use all organ voices; accompaniment patterns are programmable from any manual;
- New type of keyboards with improved response;
  Clear layout of all controls and elegant styling (S-model: soft illumination);
- Very easy do-it-yourself assembly through plug-in board design with printed wiring;
- Amazingly low price.
- Diagnostic programs for testing of all building blocks;



# ALPHA DX 300 in the Home ...

A sensible and functional design complement the elegant appearance of the ALPHA DX 300. The cabinet lines are well balanced and the accent grooves enhance the furniture look. The ALPHA DX 300 fits easily into any decor in your home.

There are many practical features: Indirect non-glare illumination (S-model), ergonomically designed drawbars and glide controls. The custom designed switches with their large touch surfaces and integrated red and green LED's make it easy to • 54 factory-programmed voices change registrations quickly. The controls are grouped into functional

groups and fields. The clear legends allow even the beginner to "feel at home" on the instrument. The musicians will appreciate the newly deve-loped keyboard with its piano-like response and the precise lateral key

# ALPHA DMS-SYSTEM

Highest sound perfection through free programmable voicing:

- (fixed stops, drawbars, synthesizer sounds and more)
- Thousands of new sound variations, mixable internally or addable from outside.
- Additional sound capabilities through Wersi Sound Cassettes.

# The Easy Way Toward an Organ You Build Yourself

The Easy Way Toward an Organ You The ALPHA DX 300 in kit form offers:

An economical way to acquire an organ with most advanced features

A truly easy way to build.

# It is playable after a few hours

To get started with your musical just a few hours to assemble the circuit boards, mount a few mechanical

# Exciting Expansion Capabilities The ALPHA DX 300 can be expanded step-by-step, adding interesting features with each sound module

 Special effects group Reverb system

Rhythm and autoaccomp

The sound modules, each consisting of a standard plug-in board, are to be assembled and are simply plugged into the card rack. They are ready to

Finally, here is additional information for those who really want to get technical.

The digital electronics have revolutinized kit building. The electronics of a fully equipped ALPHA DX 300 fits onto ten plug in boards. Gold

The ALPHA DX 300 includes an

The wiring between the plug-in

phase. In addition an automatic self test after the power is turned on checks out all systems and result in

The ALPHA DX 300 is capable of "learning" (that is it can accept new programs) new sounds as they become available. It is conceivable that todays taste for sounds may change tomorrow. The ALPHA DX 300 is ready to be "debriefed" and

Via the built-in Wersi Music Com-puter. You can "talk" to the music



# **Specifications**

DX 300 S Cabinet in g

# Portable Model

DX 300 T Rugged e

DIGITAL-VOICE-DESIGN

PROGRAM VOICES: 5 registers can

# DMS Controls (Special Effects)

# Rhythm and Autoaccompaniment WERSIMATIC CX 3

# Microphone Amplifier

ALPHA DX 300 -

# viable today and tomorrow

re-programmed.
The ALPHA DX 300 can learn in any

ALPHA **DX 300** 

computer by means of the five switches "W-E-R-S-I". Existing

sound can be modified or mixed together and combined with many special effects. In addition, the

attack behavior and the steadystate

characteristics of any sound can be varied in a myriad ways through

slide controls. The resulting sound or, rather the parameters of the sound can be stored in the com-

2 Via the Wersi Sound Cassettes

Wersi will supply cassettes that contain new sounds and registra

tions, arranged by Wersi's top artists like Franz Lambert, Curt Prina, Klaus Wunderlich, Ady

Zehnpfennig and others. Using an ordinary cassette recorder, the new features can be fed to the ALPHA DX 300 in a few minutes.

3. Via a personal computer. The ALPHA DX 300 has a standard RS 232 serial interface where an

external computer can be connected to the organ in a communications mode. You may want to write

the software yourself or you can acquire software packages from

puter's memory.

Connecting a personal computer to the ALPHA DX 300 opens entirely new perspectives to the music scene. You can teach the organ new sounds, nou can teach the organ new sounds, new registrations or new presets.

Or, depending on the computer used, the organ's "contents" could be displayed alpha-numerically or graphically.

The future of this marriage between computer and music is subject to your imagination only.

M.I.D.I. = musical instrument digital

= standard connection to couple other digital musical

The ALPHA organ can send and receive M.I.D.I. data.

upper manual: voicing, key and volume information lower manual: voicing, key and volume information pedal: key information (instrument and preset locations).

# Listen yourself to the many musical features of Wersi organs and pianos!

Wersi operates with its own companies and importers throughout the world.

# Wersi Headquarters West Germany

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