

 **WERSI**[®]



THE
MODULAR
SPECTRA DX 700 CD

SPECTRA DX700 CD



The SPECTRA not only comes in a variety of distinctive, carefully chosen, real wood veneers (Antique Walnut, Oak and Rosewood), but also in modern lacquer finishes of anthracite or dark brown. Additionally a particularly eye-catching finish of Pearlised White is offered. The T-version shown above, is an elegant Stand-model, but in no time it can be converted to a console organ as shown in the small photo.

SPECTRA DX 700 CD



With Flight Case and special pressed aluminium legs (large photo), the SPECTRA is the ideal organ for concert work.

The small photo shows the basic SPECTRA as a two-manual master keyboard for the professional stage performer.



THE OPERATING PANEL



The Perfect CD Sound

All musicians know that an orchestral voice is a complex combination of many components which impart an individual characteristic. Now, thanks to highly developed technology it is possible, with the SPECTRA DX 700 CD to reproduce these actual sounds. Earlier organs operated on 1 or 2 mixable voice components, but the advanced technology of the SPECTRA brings together up to 6 of these voice components (waveforms). In practice, this means that each voice sounds with such purity that it may be compared to the exacting standard of the Compact Disc player used in HiFi systems.



The comprehensive connection possibilities between the SPECTRA and external equipment, shows the absolutely professional approach to interfacing. From 7 Channel output, to MIDI, to Computer connections, all you need is there!

SPECTRA DX 700 CD — The modular system

The modular system allows each musician to tailor the SPECTRA to his needs and musical requirements, by choosing the model (T, S, CP or Keyboard Version), Veneered or Lacquered finish. Keyboards of 4 or 5 octaves, Pedals of 13, 17, or 25 notes. You even select the maximum number of notes you want to play at one time (8 to 32). Other possibilities make the list very long, but see the sketch on the back page of this leaflet.



Wersimatic CX 700 CD — The new Rhythm and Accompaniment Orchestra

An Organ of such high musical standards, must be equipped with a rhythm and accompaniment section of comparable quality. Apart from the fact that the new WERSIMATIC CX 700 CD gives up to 72 immediately available rhythm patterns (more are available from the memory card), one salient point becomes obvious — this rhythm unit matches the SPECTRA for quality. All rhythms have their own Intros, Breaks, Fills and Endings. Not least, this Rhythm and Accompaniment Orchestra behaves as a "Live Drummer", with off-the-beat drumming and 128 variations in volume available for each instrument, each time it is used. Obviously, the CX 700 CD meets the demanding standard of the SPECTRA.

The new dimension in versatility

Improved technology must give us greater musical opportunities. The SPECTRA DX 700 CD gives immediate access to 150 voices of unbelievable quality and realism. Thanks to the extended memory capability, up to 60 complete organ registrations are at your command:

- 20 Total Presets (may be separated for Upper and Lower keyboards and Pedals) in Internal Memory
- 20 Freely programmable Total Presets
- 20 more Total Presets from the new Memory Card System. (ROM or RAM)





Software information is simply given to the SPECTRA by the Memory Card System. A storage system with no moving parts (unlike disk storage) and a physical size like that of a credit card.



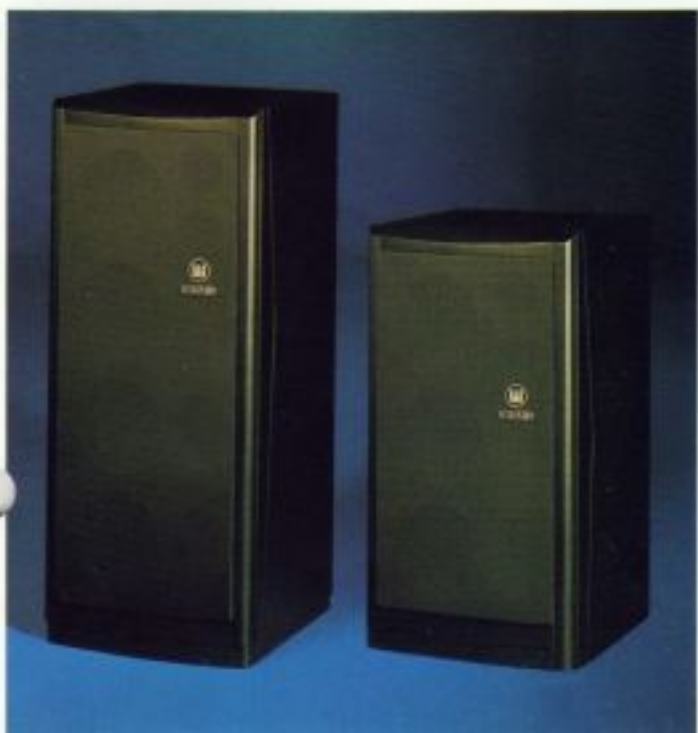
The 80 position Clear Text Display gives full information to the performer and adjustable contrast give legibility under all lighting conditions.



The 2 Drawbar Systems of the SPECTRA

All Wersi organs of the DMS series are famous for the Drawbar System and many musicians would not be without them, with the almost unlimited variations available. The creative possibilities which these variable flute voices give, are always to hand.

In the SPECTRA DX 700 CD Wersi gives two separate Drawbar systems. One is the traditional sound of the American organs, whilst the other is the slightly sharper sound of the legendary "Helios" range of organs. These two authentic systems may be played separately, or mixed together.



The Memory Card System

A completely new information medium for your organ. The Memory Card carries information just as cartridges, cassettes and disks did on earlier organs. Immediate loading of data for voicing, rhythms, accompaniments, total registration and much more, is provided by the Memory Card. The system allows the data from the card to replace that previously held in the organ, or the card data may be used as an addition to existing data, increasing the number of voices, presets, rhythms, etc. which are available to the performer.

New loudspeaker cabinets TS 5020/TS 7000

Brilliant tone and outstanding dynamics are the requirements of a loudspeaker system which is used with CD quality equipment. For this reason Wersi has developed those completely new cabinets which not only give excellent reproduction of the high fidelity sounds of the SPECTRA but are also styled to compliment its appearance.



Nature shows us the way

The joy life is nowhere more evident than in the sounds of nature. Every voice, every sound unmistakable in its individuality and character is a reflection of the beauty and endless spectrum of sound. Nature, with its creativity and search for perfection is the yardstick for our research.

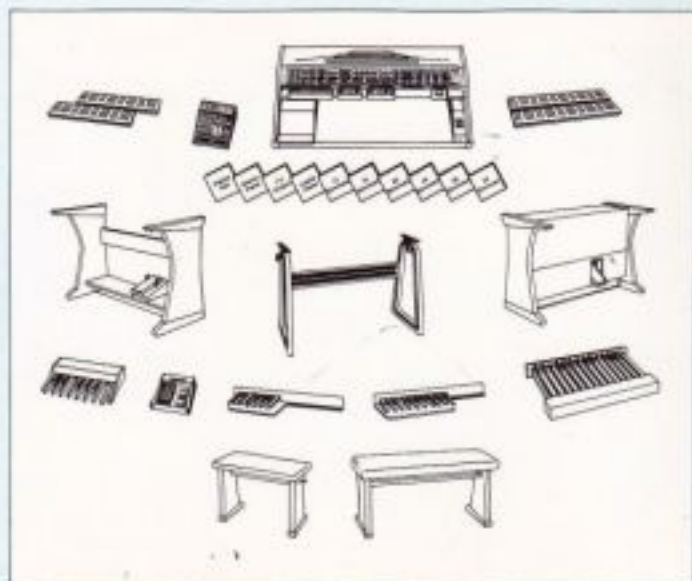
Perfection in Sound, life-like reproduction in measurable CD quality and purity, these are the attributes of the new Wersi electronic organ SPECTRA DX 700 CD. But it is more — it is an instrument which allows you to realise your musical ambitions. With its modular design, you specify the form and appearance, also the level or technical equipment and the subsequent level of musical performance are in your hands. Above all, the natural sound, in CD quality, combined with the "musician friendly" electronics, make SPECTRA the pinnacle of digital organ design.

This quality product, Made in Germany, is available Factory-built, or in easy-to-build D. I. Y. kits. The SPECTRA is available in many cabinet designs — the S-Model with integrated loudspeakers; the T-Version with specially designed "High End" Loudspeaker Cabinets, the CP variant in its robust Flight Case, or the 2-manual keyboard.



MUSICAL AND TECHNICAL DATA

- Keyboards:**
- Choice of 2x four octave or 2x five octave
 - Touch Sensitivity on both keyboards
 - Touch Vibrato/After Touch on Upper kbrd.
 - Variable Split-point on Lower keyboard
- Pedals**
- Choice of 13, 17 or 25 pedals
- Sound Generation:**
- Fully Digital Wersi DMS Authentic Sound (Waveform Sampling)
 - Up to 6 Waves per voice
 - 32 Voice Generators, 64 Waves, 64 Envelopes, polyphonic.
- All 64 components may be individually routed and processed (VCF, WERSIVOICE, Stereo channelling, etc.)
- Voices:**
- Authentic Instruments
- Natural sounds with best Sampling Quality
 - Up to 6 waves per voice
 - Up to 30 samples per voice for optimum reproduction of the original instrument.
 - Adjustable in Volume, Dynamic and Brilliance, Drawbar System
 - 2 separate Drawbar Systems
 - Traditional Tone Wheel Sound
 - "Helios" sound
 - Both systems playable "Bright" or "Normal"
 - Combinations, using both Drawbar systems
 - 9 and 10 pitches available on Drawbars (32 pitches available internally)
 - All pitches of Percussion available
 - "Key-click" switchable separately to each keyboard
 - Preset Drawbar patterns, freely programmable.
- Combination Voices
- Upper Keyboard: Up to 3 voices mixed (eg the legendary "Double String Orchestra") of the Wersi "Galaxy"
 - Lower Keyboard & Pedals: Up to 2 voices mixable
 - Accompaniment Orchestra: Any voices may be selected
- Voice control:**
- Total Presets (TP) (Total registration of the instrument accomplished at the press of a single button) the TP registration for the Upper Keyboard may be changed without changing Lower or Pedals.
 - All voices are playable on all Keyboards, the Pedals and the Accompaniment Orchestra.
- Voice Memory:**
- Without external memory: Up to 150 voices for the Organ 87 Rhythm instruments and variants
- Memory-Card System:**
- The Memory Card allows unlimited external storage or:
- = Voices = Total Presets = Rhythms = Accompaniments = Sequences
- Wersivoice:**
- 2 built-in Wersivoice, freely assigned. Also Software simulated "Leslie" voices
- Wersimatic Rhythm & Accompaniment Orchestra:**
- 16 bit technology (CD technique)
 - 67 Sampled instrument voices (expandable to 256 as new I. C.s are developed)
 - 128 steps or volume may be programmed for each instrument, each time it is struck
 - Timpani on pedals



The modular DMS system

The modular Wersi DMS-System enables the musician to "tailor" the organ to his individual needs. A wide freedom in the choice of initial configuration, the unique up-dating programme which allows you to keep abreast of advancing technology, the well-established "building brick" philosophy which allows the non-expert to build his own organ, all this and more makes the Wersi system a hit world-wide.

- Programmable rhythm length to 256 bars (Song Mode) not to be confused with Sequence
 - Intro, Break, Fill, Ending, all freely programmable
 - Accompaniment: up to 4 polyphonic voices
 - Accompaniment freely programmable
 - Tempomat: Preset tempo may be stored for each rhythm
 - MIDI: Sync: Send: Receive Sync functions
- Midi:**
- MIDI Master functions
 - Parallel Send-Receive availability
 - 16 MIDI channels (one reserved for rhythms)
 - MIDI number can be assigned to each registration switch
- Special Features:**
- Direct connection between Upper & Lower sections of the cabinet
 - Hi-Fi Stereo amplifier gives 2x100 Watt (Music Power)
 - 7 channel output
 - Chorus-Effect for Upper & Lower keyboards & Pedals
 - Octave Pitch-bend for upper keyboard
 - Stereo Digital Reverberation
 - 3 Degrees of real-time Sustain
 - Various functions may be allocated to foot switches (Sustain, Rhythm start/stop, etc.)
 - Separate microphone pre-amplifier input
 - Transposer with real-time setting
 - Wersichord (AOC)
 - 80 character plain language display



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