HAUPTWERK Blocks

Types HWB1-1, HWB1-2 & HWB1-3

SOUND GENERATION
In connection with an external PC, Hauptwerk software and PC audio card

STOPS
The size of an organ, type and the number of playable stops depend on the sample library loaded into the Hauptwerk PC. All blocks are equipped with 32 freely assignable stop switches (64 switches available upon request).

PISTON COMBINATIONS
24 combinations in 3 memory banks
Manual stop assignment in separate memory

KEYBOARDS
1 manual (HWB1-1)
2 manuals (HWB1-2)
3 manuals (HWB1-3)

61 keys compass, pressure point construction

ADDITIONAL ORGAN COMPONENTS
Couplers I/P, II/P, III/P, II/I, III/I, III/II (depending on number of manuals)
Piston sequencer back/forth (toe stud action connector prepared)
Additional button for manual stop assignment storage
2 to 4 MIDI volume control potentiometers (depending on number of manuals)
Automatical routing to swell pedal connectors at insertion

BLOCK CASEWORK
Real wood, white or dark oak
Integrated music desk

CONNECTORS
Built-in power supply for 230V AC mains or power-in for external 10V DC power pack
Swell pedals I/II/III jacks (depending on block version)
MIDI Out I (Hauptwerk output)
MIDI Out II (expander control, music printing)
MIDI In (merger input for external devices)
Connector for Hoffrichter type pedal board
Ready for toe stud connection

DIMENSIONS (W x H x D, cm)
91.5 x 12.0 x 35.0 (HWB1-1)
91.5 x 17.5 x 46.0 (HWB1-2)
91.5 x 25.0 x 51.5 (HWB1-3)

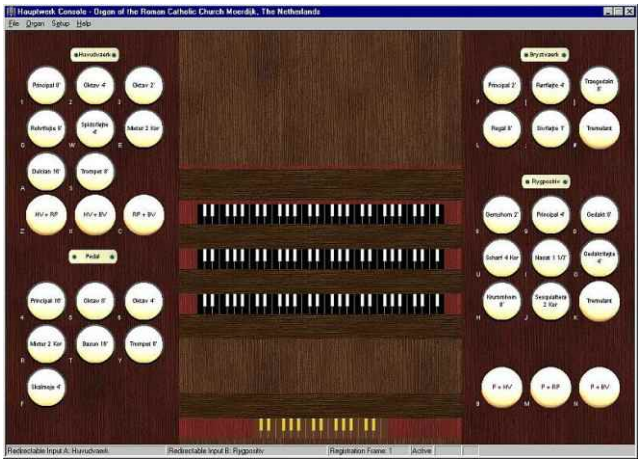
WEIGHT (kg/pds)
9.0/19.8 (HWB1-1)
19.5/43.0 (HWB1-2)
25.5/56.2 (HWB1-3)

Two manuals
HAUPTWERK Block HWB1-2

The Hauptwerk software, designed by Martin Dyde (www.hauptwerk.co.uk), allows to play the digital replication of an authentic pipe organ with breathtaking reality, capturing all the sonic qualities of the original. Missing up till now was a hardware console offering all facilities of a real organ that can easily be connected with a Hauptwerk PC.

As a world's first this vision has now materialized since HOFFRICHTER Orgel make such a console: the ready-to-use HWB1 (Hauptwerk Block). It is offering a large number of integrated functions and extension options. Therefore virtually no other hardware components are required.

Apart from a comprehensive processor system the HWB1 block case integrates up to three manuals with pressure point simulation, stops selection and an ample number of pistons. Their status is permanently saved in a solid state memory. Since the HWB1 models have been constructed as an open, expandible system they can be combined with an approved line of options, such as pedalboards as standard or special versions, swell pedals, organ benches and racks made of metal or wood. An additional MIDI merger input can be used for straightforward connection of midified devices like a pedalboard. Hoffrichter model SP and PK pedalboards however, are connected with the HWB1 using a proprietary scan input. By means of the interaction between stops and combination pistons the HWB1 adds pistons and a piston sequencer to any arbitrary Hauptwerk organ. One single cable suffices for the interconnection of HWB1 and the Hauptwerk PC.



PC screen showing the virtual Hauptwerk console of the three manuals organ built by the Denish organ builder Marcussen & Søn, erected in the St. Stefanus church in Moerdijk, Netherlands. All facilities of the original such as stop control, couplers, swell pedal and tremulant can be activated from the HWB1 block.

HAUPTWERK Blocks

All stop and piston keys have additional LED signalling. The autonomous scanner system of the HWB1 uses a highly accurate scanning method encompassing all manual and pedal key contacts; it thus eliminates any MIDI timing errors or clogging of a MIDI channel. Settings of MIDI channels and of other configurations are stored permanently after power-off.

Due to the integrated processor system the HWB1 can be easily reconfigured for manual, pedal and stop MIDI channels from 1 to 16. When making use of modified Hauptwerk ODFs (Organ Definition Files) and the factory pre-configured MIDI channels, the HWB1 is ready to play after simply connecting the unit's MIDI-Out to the MIDI-In of the Hauptwerk PC. Printed label strips for stop keys of a number of Hauptwerk organs are available for an additional charge. Latest news: The HWB product line will be expanded within short by draw-stops, stop tabs, and other typical components of a real organ. The HWB1 processing system is compatible with the next genreation Hauptwerk software.

Playing a virtual organ on a HWB1 can't be more realistic!

All future developments and novelties can be found on our MDO product line home page www.hoffrichter-kirchenorgel.de. For additional information about the Hauptwerk software and sample libraries just follow the links mentioned there which are constantly updated.

Our product development is based upon a continuous dialogue with our customers. Do not hesitate to contact us about solutions for an individual console or console cabinet.

HWB options

SPECIAL VERSIONS	
RG-64	64 stop keys expansion
KL-W	Wood covering for normals/sharps (various types of wood)
ACCESSORIES	
SP-27	Standard pedalboard 27 keys, parallel
SP-30	Standard pedalboard 30 keys, parallel
SP-32	Standard pedalboard 32 keys, parallel
PK-27	27 keys pedalboard / double-concave / parallel
PK-30	30 keys pedalboard / double-concave / parallel
PK-32	32 keys pedalboard / double-concave / parallel
FP	Cross rail with piston control toe studs
FS	Swell pedal
ST-M	Metal rack, mobile
ST-W	Supporting stand, wood, mobile
OB-W	Organ bench, real wood veneer
OB-H	Organ bench, real wood veneer, height adjustable
OB-M	Organ bench, metal, collapsible

Example setup of
HWB1-2, SP-30, ST-M and OB-M

HOFFRICHTER ORGEL GMBH
Bergstraße 13 • 29410 Salzwedel
☎ +49 (3901) 42 38 86 • Fax +49 (3901) 3 39 22
Email: hoffrichter5@compuserve.de • Internet: www.hoffrichter-kirchenorgel.de