

HEREFORD XL SAMPLE SET

Please note that this set has a separate Hauptwerk identification number to the standard 67 stop set and will therefore sit alongside it quite happily. This does mean though that organ specific settings are not shared between the two sets, so organ control and voicings etc will need to be programmed from scratch. The 67 stop XL sample set makes the following additions and alterations to the standard 67 stop set:

1.1 Extended manual and pedal compasses

The pedals are extended to 32 notes (ie to middle G) and all four manuals extended to 61 notes (ie to high C)

1.2 Separate drawstops for the Solo 16'8' stops

This affects the Clarinet, Orchestral Oboe and Tromba. Each rank now has two drawstops, one acting at 16 foot pitch and the other at 8 foot pitch. The high and low pressure 16 foot controls have been removed.

1.3 Great reeds on Choir transfer

When this transfer is drawn, the Great reeds (ie Double Trumpet, Trumpet and Clarion) are playable from the Choir organ instead of being available on the Great, thus increasing the solo reed options on the instrument. These reeds will couple to the Pedals when Choir to Pedal or Choir octave to Pedal is drawn (useful for a telling *ff* pedal line), but the Choir sub and superoctave couplers will have no effect. When the Great reeds are transferred to the Choir, the Great divisional pistons will not affect the Great reed drawstops. The Choir divisional pistons have no effect on either the transfer or the Great reed stops themselves - the only exception is that the Choir divisional cancel piston will cancel the Great Reeds transfer if it is drawn. It is not possible to couple the Great reeds back to the Great when the transfer is active. Finally, as would be expected, the general pistons have full control over the Great reeds on Choir transfer.

1.4 Choir Lieblich Bourdon 16'

This stop has been re-instated, having originally been part of the Hereford scheme until the 1970's.

1.5 Great suboctave coupler

Again, a coupler which apparently had previously been found on the Hereford organ, this may be of use when playing high lying French romantic music.

1.6 Enclosed choir organ

Adding flexibility, this new enclosure gives a similar degree of attenuation to that given by the Swell organ enclosure. An extra "floating swell pedal" control has been added, allowing a single MIDI expression pedal (or other continuous controller) to control any combination of the instrument's three enclosures.

1.7 Choir Cornet Preset

The Choir organ contains the constituents of a Cornet (8, 4, 2 2/3, 2 and 1 3/5) - indeed, there are various permutations of 8 and 4 foot stops that may be employed. The Cornet preset provides a convenient way of drawing a pre-selected combination of stops to form a Cornet. The exact combination of stops may be selected on page 6 (the Crescendo page) - this preset functions independently of both the Crescendo function and the organ combination system (ie there are no multiple combination memories for the Cornet). Note that the Cornet functions "blind" in a similar fashion to the Crescendo - no stops are physically drawn.

VERSION 2 ENHANCEMENTS

In September 2016, an updated version of the Hereford 67XL sample set was released, offering the following additions ...

2.1 Chimes

New chimes samples have been provided to both Solo and Choir organs. The Solo samples feature chimes played with a metallic beater whereas the Choir samples have been played with a softer composite plastic hammer. The Choir Chimes are enclosed but the Solo Chimes have been left unenclosed. The compass of both is tenor G (MIDI note 55) to treble A (MIDI note 81).

2.2 Lieblich Bourdon

The Choir Lieblich Bourdon has been made available on the Pedal organ, providing a softer alternative to the Pedal Bourdon.

2.3 Piston setter button

The piston setter button (labelled 'L') has increased contrast between active and inactive modes.

2.4 Floating swell pedal improvements

The floating swell pedal may now be assigned to control the Crescendo pedal as well as the other expression pedals. In addition, the state of the floating swell pedal tabs may optionally be remembered and recalled in the general combinations. This is enabled via the appropriate switch on the Settings screen.

2.5 Divisional faders

The Settings screen has been re-worked to include the ability to vary the balance between the various divisions (ie Great, Swell, Choir etc). Individual faders have been provided to allow a +/- 6dB level adjustment, which equates roughly to a doubling or halving of volume. Hauptwerk's voicing tools (Advanced Edition only) may still be used to provide control over individual ranks.

2.6 Enclosure pedal response

Typically, as a swell box is opened, the greatest change of volume and tone occurs at the very start of the pedal's travel, with this rate of change decreasing the more the box is opened. The newly provided "Swell Pedal Alternate Response" option attempts to model this effect for all three enclosures. Additionally, it is now possible to disable the built-in inertia of the swell pedal by turning on the "Disable Swell Pedals Delay". With this enabled, movement of the swell pedal results in an instantaneous change in the volume and tone of the controlled stops. Note that both of these functions are global across Swell, Choir and Solo enclosures.

2.7 Solo Tuba enclosed

There now exists an option on the Settings screen to enclose the Tuba within the Solo enclosure.

2.8 Divisional coupling to Pedals

In common with other large Willis organs, the "through-coupling" of manuals to pedals is a little unusual. For example, with Swell to Great and Great to Pedal drawn, the Swell organ is heard when the pedals are played. The "Disable Willis Pedal Coupling" option allows this through-coupling to be switched off.

2.9 Driving external stops or other MIDI sound sources

Each division has gained four external virtual stop switches which have been provided to drive MIDI systems external to Hauptwerk. Although these stops are primarily designed for use by those using consoles with other means of controlling stops (eg drawstop switches, tabs etc), they are displayed in simple fashion on the Settings screen to help with configuration. The switches both generate and respond to MIDI messages and are fully integrated into the Hereford native combination system. Both methods of driving external pipework or external MIDI voice expanders are supported (ie MIDI output at rank or division level) - please refer to the Hauptwerk user guide for details of configuration.

Approximate memory requirements for the XL set are as follows:

	24 bit	20 bit	16 bit	14 bit
Uncompressed	24500 MB	●	12405 MB	●
Lossless compression	15050 MB	12850 MB	7950 MB	●
Single loops and compression	●	11080 MB	6735 MB	5900 MB
Single loops, releases and compression	●	●	●	3580 MB

Installation of the 67 stop XL sample set is straightforward. Ensure that all of the steps detailed in the Installation section have been completed, such that the standard Hereford 67 stop instrument will load.

Next, install HerefordCathedral-DataPackage67XLv2 and also Hereford-67XLv2-Organ. These files are freely available to download via the Lavender Audio website Support section. If necessary, separate USB storage media containing these files may be ordered for a nominal charge.

Please note that the Hereford 67XLv2 sample set is fully compatible with Hauptwerk version 5 upwards; previous versions of Hauptwerk are not supported.