

DESCRIPTION OF EARLWOOD ORGAN NO. 4

The soundfont for this computer organ contains mainly hybrid samples (recorded attack section joined to a synthesized short loop section) produced from recordings made of a small tracker pipe organ in St Mary's Anglican Church, Kelmscott, a suburb of Perth, Western Australia. This is the oldest pipe organ in Western Australia, and one of the oldest in the whole of Australia. It was imported to Kelmscott in about 1970, and came from a redundant church, St Mark's in Eccles, Kent (United Kingdom). Its origins are obscure, but it is believed to have been built about 1815 as a one-manual house organ, after which it was used in a church in the Oxford area, before being moved to Eccles, at which point it was enlarged to two manuals. At Kelmscott it was returned to its one-manual configuration. With the exception of the Twelfth 2 2/3 stop, the rest of the manual pipework is believed to be original.

30 samples per stop were made (6 per octave). All are true hybrid samples except for those of the Principal 4, which has synthesized attacks. The stops have been configured as a two-manual organ, with identical stops on both manuals, except that the two 8-foot stops on the Swell have each been reduced in volume by 4 dB. An identical Trumpet 8 has been added to each manual, and a Trombone 16 placed on the Pedals. (The hybrid samples for these three stops are a "revoiced" version of the Cornopean 8 samples used in the Earlwood Organ No. 3). The other pedal stops are "borrowed" from the Earlwood Organ No.3, and are not hybrid samples, nor do they follow the 6 samples per octave pattern.

The soundfont device known as the "Earlwood Wobble" has been applied in various ways to the Open Diapason 8, Stopped Diapason 8, Trumpet 8, Fifteenth 2, and Trombone 16, as a means of avoiding a sterile sound from the looped sections of the samples.

Here is the specification:

GREAT	SWELL	PEDAL
Open Diapason 8	Open Diapason 8	Open Wood 16
Stopped Diapason 8	Stopped Diapason 8	Bourdon 16
Principal 4	Principal 4	Principal 8
Nason Flute 4	Nason Flute 4	Bass Flute 8
Twelfth 2 2/3	Twelfth 2 2/3	Trombone 16
Fifteenth 2	Fifteenth 2	
Trumpet 8	Trumpet 8	
Tremulant	Tremulant	

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