

# Hauptwerk Modified Litomysl Organ Version 2.0

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## Introduction

This is a modified version of the popular Hauptwerk organ from the church in [Litomysl](#), Czech Republic – a major Hauptwerk sampling project from Jiri Zurek.

Because it provides a large four-manual neo-baroque concert organ at a moderate price, this sample set is one of the best-selling of all Hauptwerk organs.

I purchased the "dry" version of the Litomysl organ for my own use. However, I wanted to make further modifications to the Litomysl design so I decided to create a completely new Hauptwerk organ using the samples provided with the Litomysl set.

My goal was to create a full-specification neo-baroque 3-manual instrument that would be suitable for recording. I was not in any way trying to duplicate the original instrument. Rather, I used the sampled ranks to form a different specification that was more useful for my own needs. I have made this organ available for free to other Hauptwerk users who have a valid license for the Litomysl instrument.

The specifications of my Modified 3-manual Litomysl organ are:

Pedal		Positiv (Expressed)		Hauptwerk		Schwelwerk (Expressed)	
16'	Subbass Clausus	8'	Copula Major	16'	Bourdon	16'	Contra Salicional
16'	Contra Viola	8'	Salicional	8'	Principal	8'	Geigenprinzipal
16'	Bourdon (H)	4'	Prestant	8'	Konzertflöte	8'	Lieblich Gedackt
16'	Contra Salicional (S)	4'	Copula Minor	8'	Gamba	8'	Aeoline
10 2/3'	Quint Bass	2'	Oktave	8'	Gemshorn	8'	Voix Céleste
8'	Oktave	1 1/3'	Quinte	4'	Oktave	4'	Principal
8'	Rohrgedackt		Sesquialtera I-III	4'	Traversflöte	4'	Blockflöte
8'	Cello		Akuta IV	2 2/3'	Quinte	4'	Gemshorn
4'	Superoktav	8'	Tromp Real (unexp)	2'	Oktave	2 2/3'	Nazard
4'	Bourdon (H)	8'	Holz Krumhorn		Gross Mixtur V	2'	Waldflöte
	Mixtur V		Tremulant		Klein Mixtur IV	1 3/5'	Terz
32'	Tromp Imperial	16'	Pos to Pos	16'	Tromp Magna (S)		Scharf V
16'	Posaune		Pos Unison Off	8'	Tromp Real (P)	16'	Tromp Magna
8'	Bombarde	4'	Pos to Pos	8'	Enge Trompette (S)	8'	Enge Trompete
4'	Oboe (S)	16'	Sw to Pos	16'	Sw to Hw	8'	Oboe
8'	Hw to Ped	8'	Sw to Pos	8'	Sw to Hw	8'	Vox Humana
8'	Sw to Ped	4'	Sw to Pos	4'	Sw to Hw	4'	Tromp Charamant
4'	Sw to Ped			16'	Pos to Hw		Tremulant
8'	Pos to Ped			8'	Pos to Hw	16'	Sw to Sw
4'	Pos to Ped			4'	Pos to Hw		Sw Unison Off
						4'	Sw to Sw

## Changes from the original Litomysl Organ

I removed the Bombardewerk division, placed the 32' reed in the pedal, the 8' reed in the Positive (voiced as a chamade), and the 16' and 4' reeds in the Schwelwerk. I moved the 8' reed from the Hauptwerk to the Schwelwerk and revoiced all the Schwelwerk reeds to work as a convincing ensemble. I revoiced the Positiv Krummhorn to make it more of a solo voice that can be used to boost the ensemble.

I discarded the "Great Cornet" since I could not see any use for it. I also got rid of the key and stop noise samples to save memory and make the organ run more smoothly. This is, of course, a matter of taste. I was not trying to recreate the sound of the original organ but rather I was trying to create a good performance and recording instrument for my own use.

There were not enough reeds to give the Hauptwerk an independent chorus so I provided borrowing from the Positiv and Schwelwerk to substitute here.

I "deepened" the Schwelwerk box to give it more expression. I also added a swell box for the Positiv. I left the Tromp Real out of the box as expected for a chamade rank.

I added a second borrowed stop from the Hw to the Pedal - the 16' Bourdon - to provide some variety.

Finally, I added a more complete compliment of couplers and general revoicing to bring everything in what, to me at least, seems like a proper balance.

My screens all fit on a 15" 1024 x 768 pixel display. I had to create rectangular "stop buttons" to make the console view fit and still provide large enough stop controls for good real-time performance control on the touchscreen.

### **New for version 2.0:**

I have added additional couplers so that the Positiv now couples at 16' and 4' pitch.

I added the 4' Blockflöte to the Schwelwerk in order to form a complete cornet in this division. The stop uses the samples of the 8' Lieblich Gedakt for the first octave and the samples from the 2' Waldflöte for the remaining octaves. Despite the fact that this is a borrowed stop, the effect in the cornet is very satisfying and it fills in a serious gap in the original Litomysl specification.

I added the pedal 4' Oboe. It is borrowed from the Schwelwerk.

### **Contact and Updates**

Please visit my organ web site at

[http://www.nightbloomingjazzmen.com/NBJ\\_Organ\\_Software.html](http://www.nightbloomingjazzmen.com/NBJ_Organ_Software.html)

for further information, updates, and other organ projects.