Tipple Organ Console Rocker Tab Assignment to Hauptwerk St. Anne Organ

TIPPLE	MIDI DEC	MIDI HEX		ST. ANNE
PEDAL				
Sub Bass 16	001	#01	003	Sub Bass 16
Bourdon 16	002	#02	001	Open Diapason 16
Bass Flute 8	003	#03	005	Flute Bass 8
Fagotto 16	004	#04	007	Trombone 16
Great to Pedal	005	#05	032	Great to Pedal
Swell to Pedal	006	#06	033	Swell to Pedal
Auto Bass	007	#07	031	Ped Bass thumb piston (or 070?)
SWELL				
Chimney Flute 8	008	#08	020	Rohr Flute 8
Salicional 8	009	#09	021	*Viola di Gamba 8*
Voix Celeste 8	010	#0A	022	Voix Celestes 8
Gemshorn 4	011	#0B	023	*Salicet 4*
Rohr Flute 4	012	#0C	024	Flauto Magico 4
Nazard 2 2/3	013	#0D		No equivalent
Harmonic Piccolo 2	014	#0E	025	Piccolo 2
Contra Fagotto 16	015	#0F	027	Contra Fagotto 16
Oboe 8	016	#10	029	Oboe 8
Mixture IV	017	#11	026	Mixture III Rks
Tremulant	018	#12	045	Tremulant
GREAT				
Open Diapason 8	019	#13	008	Open Diapason Large 8
Stopped Diapason 8	020	#14	009	Open Diapason Small 8
Principal 4	021	#15	012	Principal 4
Flute 4	022	#16	013	Clear Flute 4
Fifteenth 2	023	#17	014	Fifteenth 2
Mixture IV	024	#18	015	Mixture IV Rks
Trumpet 8	025	#19	016	Trumpet 8
Clarinet 8	026	#1A		No equivalent
Sesquialtera II	027	#1B		No equivalent
Swell to Great	028	#1C	035	Swell to Great
Tremulant	029	#1D		No equivalent

Italics = approximate equivalent

Auto-detect works fine but ensure that the Arduino board used for the stops and pistons has MIDI Out enabled. Do not enable MIDI Out on the pistons and do not enable MIDI Out on the other Arduino boards.

Since the boards are listed in Hauptwerk as Arduino, Arduino A, Arduino B and Arduino C in an uncertain order determined by Windows it is easiest to first just connect the Arduino board used for the stops and pistons (which will then be just Arduino) and set them up, then connect the other Arduinos and complete the Hauptwerk setup for manuals, pedals and swell pedal.

In Hauptwerk stop and piston input setup use **Stop or Hold-piston: MIDI note-on/off**. (Some organs need **Momentary Piston: MIDI note-on** to toggle the Sw-Gt, Sw-Ped and Gt-Ped couplers).

The Bass Coupler and Melody Coupler are related. The Bass Coupler adds the selected pedal stops to the lowest note currently being played on the Great. It's a "cheater's way" of achieving a full organ sound without use of the pedals. The Melody Coupler adds the selected Swell stops to the highest note being played on the Great, accentuating the melody of the piece being played. This can be a good way to help the congregation hear the melody when they're singing an unfamiliar hymn, or to help add interest to prelude or postlude music.

On the St. Anne organ the Bass Coupler works up to F above middle C on the Great, while the Melody Coupler works on every note of the Great.

Great Thumb Piston Rail

S	030	#1E	046	SET (Capture mode)
1	031	#1F	055	Gt Thumb 1
2	032	#20	056	Gt Thumb 2
3	033	#21	057	Gt Thumb 3
4	034	#22	058	Gt Thumb 4
5	035	#23	059	Gt Thumb 5
6	036	#24		To choose
7	037	#25		To choose
8	038	#26		To choose
ABC -	039	#27		Stepper back
ABC +	040	#28		Stepper forward
CONT	041	#29		To choose
GEN CAN	042	#2A	049	C (General cancel)

Apart from SET and CANCEL these are just suggestions for thumb piston assignment. When Auto-Detecting the SET piston toggle is enabled by default – this is best disabled so that the SET piston is only active as long as the piston is pressed.

Stops and pistons are all on MIDI channel 4 (dec/hex 03)

TIP: Do frequent saves (File menu) when going through the Hauptwerk console setup. Hauptwerk can get confused and even hang looking for hardware that does not exist to process phantom MIDI Out messages.