

SEMPRA

DSP extension for Amadeus

4 effect DSPs per Amadeus sound module!

This means you can use up to 4 Sounds / Parts per sound module with FX sounds using their individually effects at the same time!

Uses the accompaniment for example an echo guitar, you can use in the left hand a background sound with a slow phasing effect and in the right an effect guitar and possibly another effect sound.

The 4 effect DSPs are each assigned to several parts, so that flexible combinations are possible.

Installation of the operating system for the SEMPRA (BOS Firmware)

The DSP extension requires the following operating system versions:

- SEMPRA: vers. 1.2 (any date)
- Amadeus sound modules: vers 5.1 (April, 25th 2018)

The current firmware version of your SEMPRA can be found by calling up the menu "**System setups**" (8) - "**device info**" (3).

The version in the example is 1.2 from 04.12.2018 - so no update would be necessary here.



If your SEMBRA shows an older version, you will find the current version on the included USB stick (or on our homepage www.boehm-orgeln.de).

The current operating system is automatically detected when the stick is inserted.

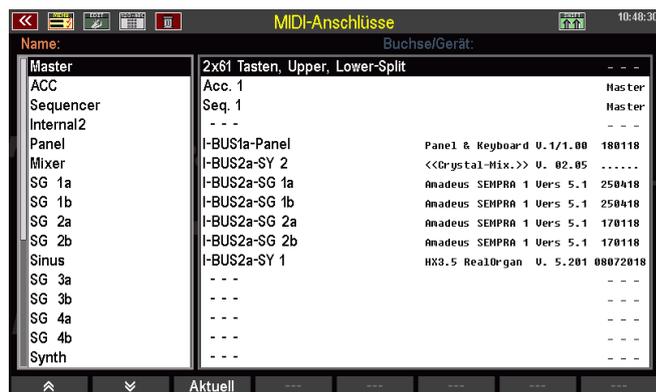
Run the firmware update as described in the main manual and restart the SEMBRA!

Updating the firmware of the existing Amadeus sound module(s)

The current firmware state of the Amadeus sound group(s) can be found by calling up the menu "Parts & MIDI" (7) - "MIDI slots" (7) on the instrument:

Here the entries for all built-in Amadeus sound groups should show at least the mentioned version.

In the adjacent picture you can see that the SG 2 has an older version (17.01.2018) and should therefore be updated.



The current firmware version for the Amadeus modules can be found either on a supplied USB stick or in the download area of the Böhm [website www.boehm-orgeln.de](http://www.boehm-orgeln.de).

To install a new operating system for the Amadeus sound groups, use the USB menu.

- Insert the USB stick on which you have loaded the update files and select the file type "**operating system**" in the USB menu. You may need to scroll down the list of file types.
- Select the file "Amadeus.sgs" and select **Load / Install File** on the right side.



- If more than one sound group are installed in your instrument, the display will ask for which sound groups the update should be executed.
- If, as in the above example, only ONE soundgroup has to be updated, only this one can be selected, otherwise all soundgroups can be updated at the same time.



- During the updating of the sound group(s), the instrument should not be played.
- **After the update, please restart the SEMPRA!**



Activation of the DSP extension

If you have received a USB stick for installation, the activation code for the 4 effects is also stored there. This makes the following entry easier, as the corresponding code is entered automatically when the installation stick is plugged in as drive C or "USB1".

- Enter the menu "System setups" (8) - "Approvals" (4):
- Select the item "4 Effects for Amadeus", so that the code can be read in by the inserted USB stick.
- Otherwise type the transmitted code into the number fields manually by using the numeric/letter buttons.
- With [ENTER] or [F4] **Accept**, the function will be activated.



- **When leaving the menu, the Restart should be selected.**
This completes the installation.



Assignment of the parts to the effects

The following table shows the assignment of the keyboard parts to the effect DSPs.

Depending on the amount of Amadeus sound groups, there are more effects DSPs available at the same time, of course. In the table, there is a column group for each equipment variant. Inside these columns, all parts that use the same effect DSP are also marked in the same color. Only parts with **different** colours are playable simultaneously with individually effect sounds. Please be aware of this when using sounds using the DSP effects. These sounds usually have an "**FX**" in their name.

An alternative (!) use of parts with the same effect DSP and different effect sounds is still not a problem.

If you miss the **FX 4** in the table: this effect DSP is permanently assigned to the accompaniment (or the **b** input of the sound group).

In addition, the table also shows the associated MIDI channels of the parts when using the MIDI interfaces and sound groups.

		nur SGI:				SG 1 + SG 2				SG 1 + SG 2 + SG 3				
Part	MIDI	Part	Kanal	FX	Part	Kanal	FX	Kanal	FX	Part	Kanal	FX	Kanal	FX
Upper R1	1	Upper R1	1	1	Upper R1	1	1	Upper R1	1	Upper R1	1	1	Upper R1	1
Upper R2	9	Upper R2	9	1	Upper R2	1	1	Upper R2	1	Upper R2	1	1	Upper R2	1
Upper R3	2	Upper R3	2	3	Upper R3	2	3	Upper R3	2	Upper R3	2	3	Upper R3	2
Upper R4		Upper R4			Upper R4			Upper R4		Upper R4			Upper R4	
Upper R5		Upper R5			Upper R5			Upper R5		Upper R5			Upper R5	
Upper L1	3	Upper L1	3	1	Upper L1	3	1	Upper L1	3	Upper L1	3	1	Upper L1	3
Upper L2	11	Upper L2	11	1	Upper L2	11	1	Upper L2	11	Upper L2	11	1	Upper L2	11
Upper L3	4	Upper L3	4(*)	3	Upper L3	4	3	Upper L3	4	Upper L3	4	3	Upper L3	4
Upper L4		Upper L4			Upper L4			Upper L4		Upper L4			Upper L4	
Upper L5		Upper L5			Upper L5			Upper L5		Upper L5			Upper L5	
Upper MIDI	1 (l)	Upper MIDI			Upper MIDI			Upper MIDI		Upper MIDI			Upper MIDI	
Lower L1	5	Lower L1	5	2	Lower L1	5	2	Lower L1	5	Lower L1	5	2	Lower L1	5
Lower L2	13	Lower L2	13	2	Lower L2	13	2	Lower L2	13	Lower L2	13	2	Lower L2	13
Lower L3		Lower L3			Lower L3			Lower L3		Lower L3			Lower L3	
Lower L4		Lower L4			Lower L4			Lower L4		Lower L4			Lower L4	
Lower L5		Lower L5			Lower L5			Lower L5		Lower L5			Lower L5	
Lower R1	6	Lower R1	6	2	Lower R1	6	2	Lower R1	6	Lower R1	6	2	Lower R1	6
Lower R2	14	Lower R2	14	2	Lower R2	14	2	Lower R2	14	Lower R2	14	2	Lower R2	14
Lower R3	8	Lower R3	8	2	Lower R3	8	2	Lower R3	8	Lower R3	8	2	Lower R3	8
Lower R4		Lower R4			Lower R4			Lower R4		Lower R4			Lower R4	
Lower R5		Lower R5			Lower R5			Lower R5		Lower R5			Lower R5	
Lower L MIDI	2 (l)	Lower L MIDI			Lower L MIDI			Lower L MIDI		Lower L MIDI			Lower L MIDI	
Lower R MIDI	5 (l)	Lower R MIDI			Lower R MIDI			Lower R MIDI		Lower R MIDI			Lower R MIDI	
Pedal 1	7	Pedal 1	7	3	Pedal 1	7	3	Pedal 1	7	Pedal 1	7	3	Pedal 1	7
Pedal 2	15	Pedal 2	15	3	Pedal 2	15	3	Pedal 2	15	Pedal 2	15	3	Pedal 2	15
Pedal 3		Pedal 3			Pedal 3			Pedal 3		Pedal 3			Pedal 3	
Pedal 4		Pedal 4			Pedal 4			Pedal 4		Pedal 4			Pedal 4	
Pedal MIDI	3 (l)	Pedal MIDI			Pedal MIDI			Pedal MIDI		Pedal MIDI			Pedal MIDI	
Solochord 1	12	Solochord 1	12	1	Solochord 1	12	1	Solochord 1	12	Solochord 1	12	1	Solochord 1	12
Solochord 2		Solochord 2			Solochord 2			Solochord 2		Solochord 2			Solochord 2	
Solo 1	(SE 60: 4)*	Solo 1	(SE 60: 4)*	3	Solo 1	(SE 60: 4)*	3	Solo 1	(SE 60: 4)*	Solo 1	(SE 60: 4)*	3	Solo 1	(SE 60: 4)*
Solo 2		Solo 2			Solo 2			Solo 2		Solo 2			Solo 2	
Solo 3		Solo 3			Solo 3			Solo 3		Solo 3			Solo 3	
Solo MIDI	4 (l)	Solo MIDI			Solo MIDI			Solo MIDI		Solo MIDI			Solo MIDI	
Effekte	-	Effekte	16	3	Effekte	16	3	Effekte	16	Effekte	16	3	Effekte	16
Drums	-	Drums	10	4	Drums	10	4	Drums	10	Drums	10	4	Drums	10

(l): möglicher Kanalkonflikt mit Soundpresets mit demselben Ausgang.