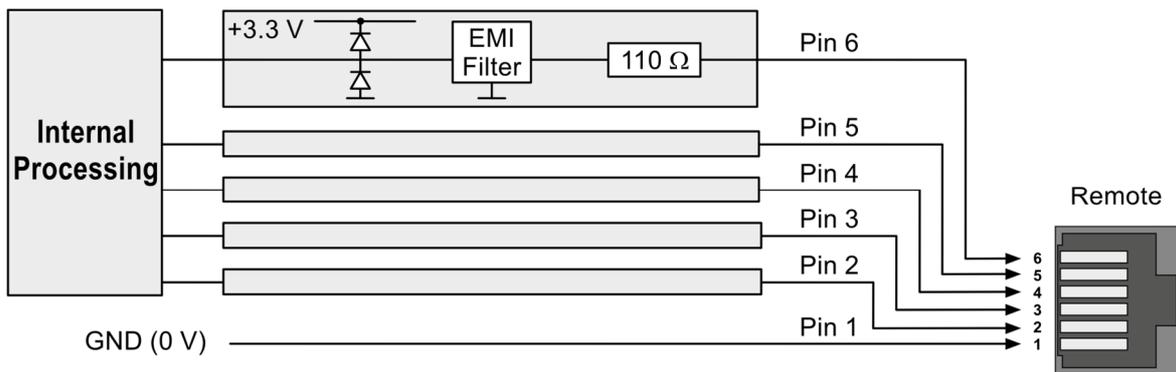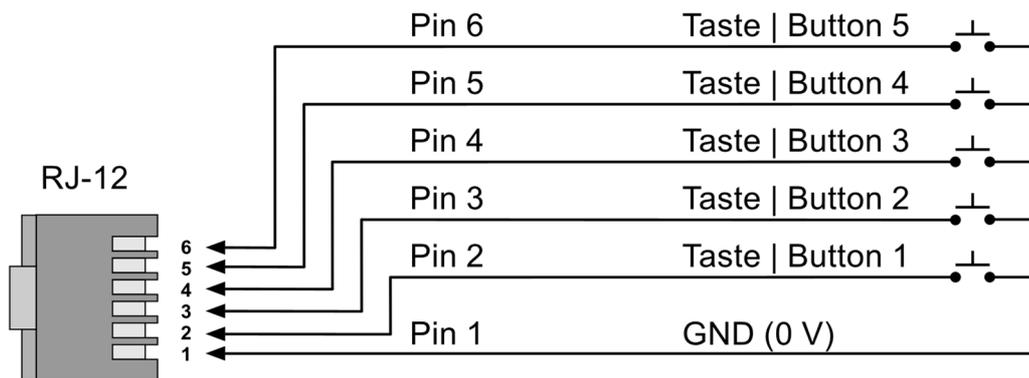# Preset Control via GPIO

Up to 5 internal presets of a TouchMonitor can be remote controlled via GPIO interface. The inputs (pin 2 to 6, see block diagram) of the RJ-12-6P6C connector defined as „active low" have to be switched against 0 V (Pin 1).

In each of the presets that are to be controlled remotely, a Non Audio group must be created, the Global Keyboard instrument added, and the corresponding pins and presets assigned in it.

Please proceed as follows:

1. Check the pin arrangement of the socket in the device and prepare the pushbuttons, cable and RJ-12 connector according to the wiring diagram.

2. On your TouchMonitor, open the **Menu** and touch **Preset Management**. The menu including the internal presets is displayed.

3. For the following description we assume that the desired internal presets are already created.

4. **Determine exactly by which pin the respective preset is to be controlled and make corresponding notes.**

   The following matrix shows an example of the assignments to be made:

Create and edit a Non Audio group with instrument Global Keyboard in presets 1 to 5:					
	Assign in Preset 1	Assign in Preset 2	Assign inPpreset 3	Assign in Preset 4	Assign in Preset 5
Key 1 -> **Pin 2**	---	Preset 1	Preset 1	Preset 1	Preset 1
Key 2 -> **Pin 3**	Preset 2	---	Preset 2	Preset 2	Preset 2
Key 3 -> **Pin 4**	Preset 3	Preset 3	---	Preset 3	Preset 3
Key 4 -> **Pin 5**	Preset 4	Preset 4	Preset 4	---	Preset 4
Key 5 -> **Pin 6**	Preset 5	Preset 5	Preset 5	Preset 5	---

5. Touch one of the desired presets.

6. Touch the **Non Audio** group (or **New Non Audio**, if no Non Audio group is assigned). The **Non Audio Group** menu is displayed.

7. If not highligthed, touch **Add Instrument** and select the **Global Keyboard**.

8. Touch **Edit Instrument** and again select **Global Keyboard**. The **Global Keyboard** menu is displayed.

9. Select one of the keys and touch the corresponding button.

10. Select **Name** to give the key a concise name.

11. Touch **Remote Pin** and adjust a pin to control one of the other presets (see step 4.).
    For example, if pin 2 was designated for the preset you are editing, you will need to set pin 3, 4, 5 or 6 and select the intended preset (see step 4.).

12. Touch **Key Function** and select **Preset**.

13. Touch the **Preset** button that now appears and adjust the preset that you have intended for the set pin (not the preset that you are currently editing).

14. Touch **Visible in view** (on/off) and choose whether to additionally place the Global Keyboard instrument in the layout and display the defined keys on the screen.

15. Touch **Back**.

16. Select another key and repeat steps 10. to 15.

17. When all the desired keys have been defined, touch **Back**.

18. Touch **Done** and then **View**, if you selected **on** for **Visible in view** and also want to place the Global Keyboard instrument on the screen.

19. Touch **Back**. Confirm the request for storing the preset with **Yes**. You will get back to the **Internal Presets** menu..

20. Touch another preset and repeat steps 5. to 19. accordingly for all other presets you want to control remotely.

21. Touch **Back** and then **Save** to leave the menu and finally save the settings you made.

22. Insert the RJ-12 connector with cable and remote control buttons into the corresponding connector socket of the TouchMonitor. Now remote switching between the presets defined in this way is possible.