

MIDI Controllers with GESINI



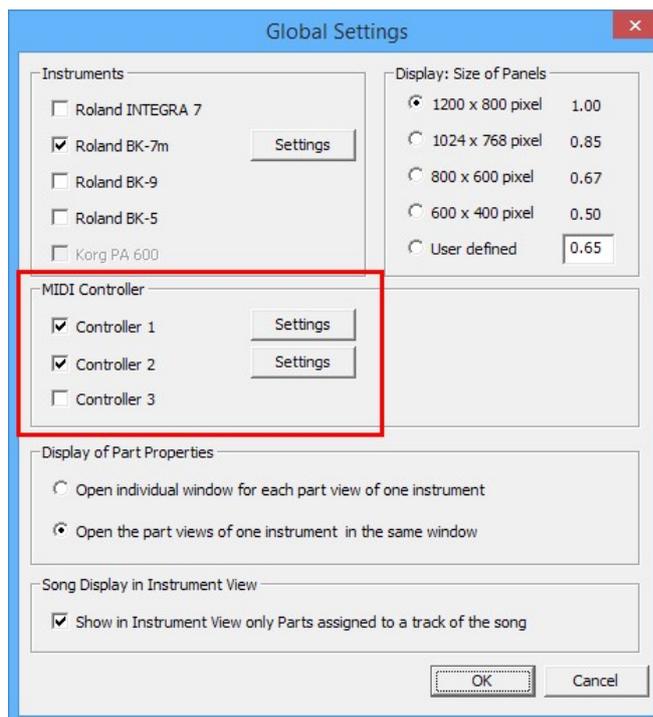
MIDI Controllers

GERD supports up to three MIDI Controllers (e.g. Keyboards, Drum-Pads, Mixers). The controllers can be used to

- play the sounds of the BK and/or INTEGRA
- control the arranger in the BK (Start/Stop, Variation, Fill-Up, Fill-Down, etc.)
- mute parts (or control their volume, pan, ...)

The controllers are connected via USB (or MIDI) to the PC and in GERD the different functions can be assigned to the keys, knobs, sliders, etc. of the controller.

External MIDI Controllers



The settings of the controllers can be modified in the "Global Settings" (via menu "Settings").

The pic on the left shows GERD's "Global Settings" and the red frame indicates the section with the check-boxes to enable/disable the three controllers and the buttons to modify the settings of the controllers.

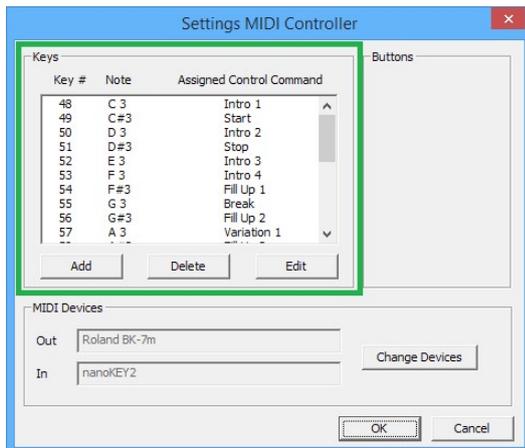
The controllers can be enabled/disabled individually.

Clicking on the "Settings" button opens a further dialog with the possibility to modify/edit the settings of the controller.

Of course the controllers need not to be different instruments/devices. One keyboard/organ/accordion can be used to play the sounds of the BK and/or INTEGRA and to some keys of the instrument (on the lower manual or the highest octave, etc.) different control commands can be assigned (e.g. arranger variations or fill-ins).

Especially for the BK-7m a controller is required to play the notes. And this controller can be connected (via USB or MIDI) to the computer and the BK-7m (or any other BK) can be played from this controller and can be controlled by the buttons or keys of the controller.

Assigning Control Commands to Keys for Controllers in GESINI



The picture shows the settings dialog of a controller in **GERD**.

In the **Keys** section the user can assign different control commands to the keys of a keyboard connected to GESINI. This can be either a [typical] controller keyboard with standard piano keys or a [small] key controller (e.g. Korg's NanoKey, see picture below).

Independent of the type of keys you have on the controller, you can assign different control commands to the keys with the buttons in the dialog:

- **Add** → assigns a command to a new key. If a command is already assigned to the key, the new assignment will override the former
- **Delete** → deletes the assignment of a command to a key (select key in list first before clicking on the **Delete** button).
- **Edit** → edit the command assigned to a key. Select the key in the list first before clicking on the **Edit** button.

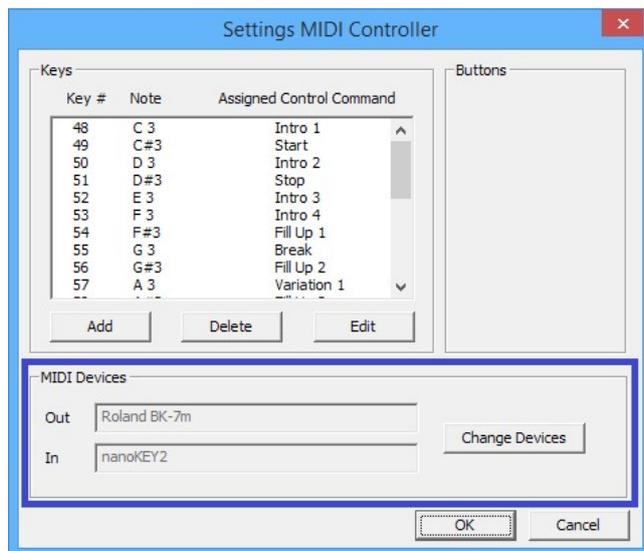
A proposal for the key assignment of controller 2 is delivered together with the software package. The assignment is shown in the picture of the dialog (see above):



Saving and loading the Key Assignments

The assignments for all three controllers are saved in the file "*Controller.gsn*" on the hard disk (in the directory of **GERD.exe**). After **GERD** is started, the program tries to read the file "*Controller.gsn*" from the directory of **GERD**. If the file is available, the key assignments for the controllers will be loaded. If the file is not available, the key assignments must be defined by the user in the dialog shown above.

Connecting the Controller to GESINI and to the instrument (BK/INTEGRA)

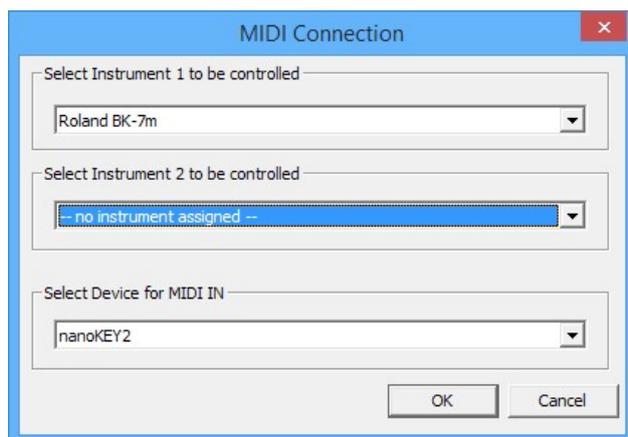


The picture shows the settings dialog of a Controller in GERD.

After clicking on the button **Change Devices** in the section **MIDI Devices** a new dialog appears (see picture below) and in this dialog it is possible to define the connection used for the controller.

OUT:

It is possible to select an instrument (e.g. Roland BK-7m or Roland INTEGRA-7, etc.) from a list of supported instruments. All MIDI data sent by the controller and all control messages (if assigned in the **Key List**) are sent to this instrument.



If you want to use one controller for two different instruments (e.g. for BK-7m and INTEGRA), this is also possible as the you can select two instruments to be controlled in the dialog (see picture on the left).

The instrument 1 is mandatory (at least one instrument must be controlled - otherwise the controller is useless).

IN:

If the controller is connected via USB, the name of the controller is listed in the drop-down box for **Select Device for MIDI IN**. If the controller is connected via MIDI, the name of the MIDI interfaces used are listed in the drop-down box and can be selected.

Max. Flexibility:

With these options up to **three** controllers can be used to control **one** instrument (if for all three controllers the same OUT device has been selected).

Or each of the three controllers can control two instruments simultaneously. Or any hybrid solution is possible.