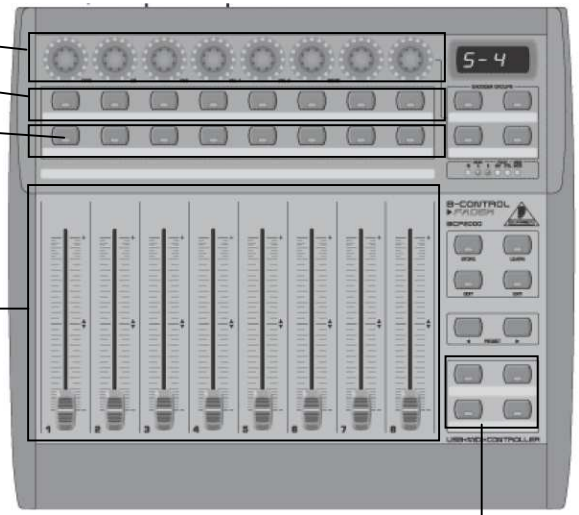
Setting the BCF2000

When connecting the BCF2000 to a PC via a USB port set USB mode to 1.

The picture below shows the sections that can be used for remote control.

1. Encoder section
2. Button section 2
3. Button section 1
4. Fader section



5. Button section 3 (Not pre-defined. Set to GO or GO- as needed)

Refer to the following table for setting options:

Note: For details on setting and saving procedures in the BCF2000 refer to the user manual attached with the product.

Settings in case of using the definition file for OnPC included with Mid2Key:

	1 MIDI Data Type	2 MIDI Channel	3 Parameter	4 Value1	5 Value2	6 Controller MODE	7 Option	8 Display
fader1	CC	1	0	0	127	Absolute	Motor	on
↓			↓					
fader8	CC	1	7	0	127	Absolute	Motor	on
button1-1	CC	1	8	127	0	Toggle Off	-	off
↓			↓					
button1-8	CC	1	15	127	0	Toggle Off	-	off
button2-1	CC	1	16	127	0	Toggle Off	-	off
↓			↓					
button2-8	CC	1	23	127	0	Toggle Off	-	off
encoder1	CC	1	24	0	127	Relative1	off	off
↓			↓					
encoder8	CC	1	31	0	127	Relative1	off	off

After finishing the setup save it with BCF2000, otherwise if power is cut all data will be lost.

Software Settings

In order to use Mid2Key the free software MIDI YOKE (virtual MIDI cable) is needed.
MIDI YOKE can be downloaded from: http://www.midiox.com

Mid2Key is software used to control OnPC through the BCF2000. In BCF2000, the fader levels can be outputted as Control Change, but not as MIDI Note.
On the other hand, OnPC can only receive MIDI Note and OnPC encoders cannot be controlled just as they are.

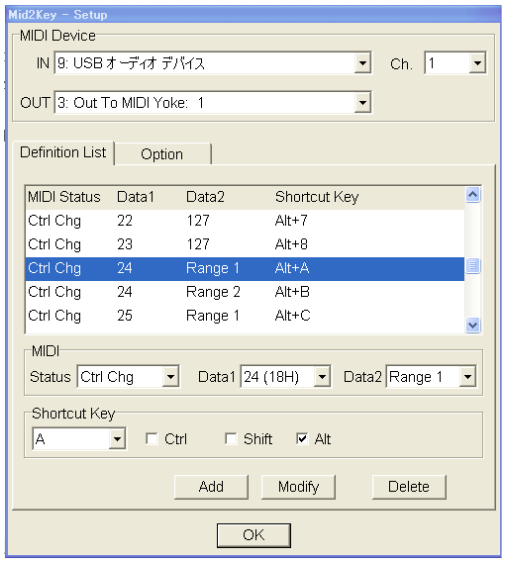
What Mid2Key does is:

1. Converts the specified Control Change to Note.
2. Converts MIDI data so it can trigger PC shortcut keys.

This makes possible data input, dimmer, pan/tilt manipulation via the encoders.

When starting the program, it is automatically minimized and displayed into the task bar.

By right clicking on the icon and selecting “Load Definition File”, the included “OnPC_default.DEF” file is loaded.
If no changes are present from next time these settings are also loaded.
Basic settings are loaded this way.
To change the settings or the MDI device settings select “Setup”.



MIDI Device

Select “IN: BCF2000”. Normally when connecting the BCF2000 it is recognized as an USB audio device and its driver is loaded.

In “OUT”, the virtual MIDI port that will transmit the converted data to OnPC is selected.

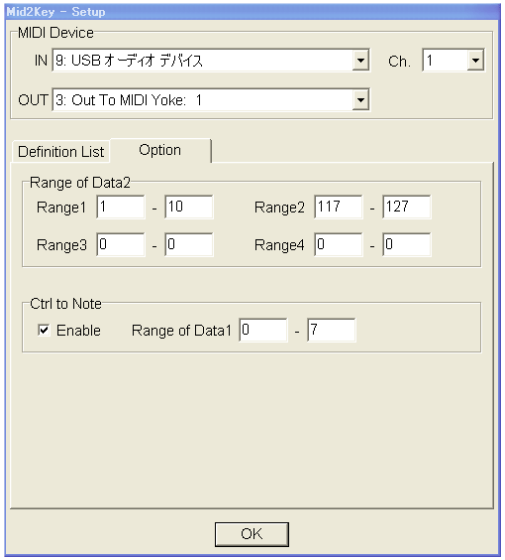
In this case select “MIDI YOKE 1”. (This matches the setting in OnPC. Setting can be from 1 to8)

Definition List

Shortcuts to be triggered by MIDI signal are set here.

The basic settings for using OnPC can be loaded from the “OnPC_default.DEF” file.

If the four buttons at the bottom right of the BCF2000 are used, set the shortcut triggering here.



Option

Range of Data2

Sets an specific encoder range to output a shortcut and up to 4 different ranges can be assigned.

Ctrl to Note

Control data is converted to Note and outputted. It sets a range of data, in this case control data used by a fader.

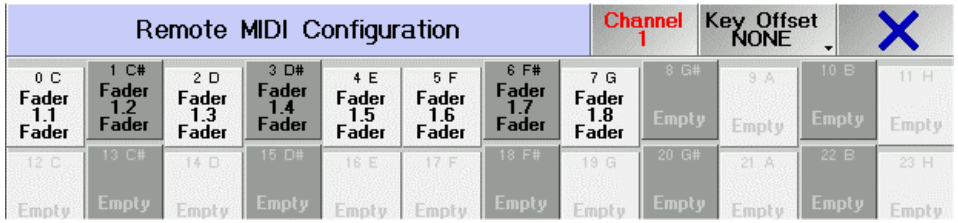
When used “Enabled” has to be checked.

OnPC Settings

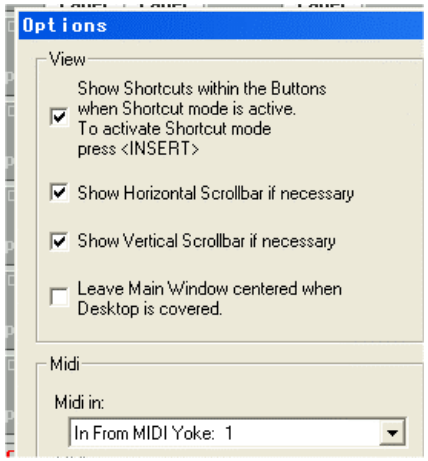
Faders can only be operated with MIDI remote. For this fader MIDI remote assignment needs to be set.

However, as OnPC does not support page changing at this time, both, the fader and page number are assigned to the same number.

If modifying this remote assignment in MACRO then page changing is possible.



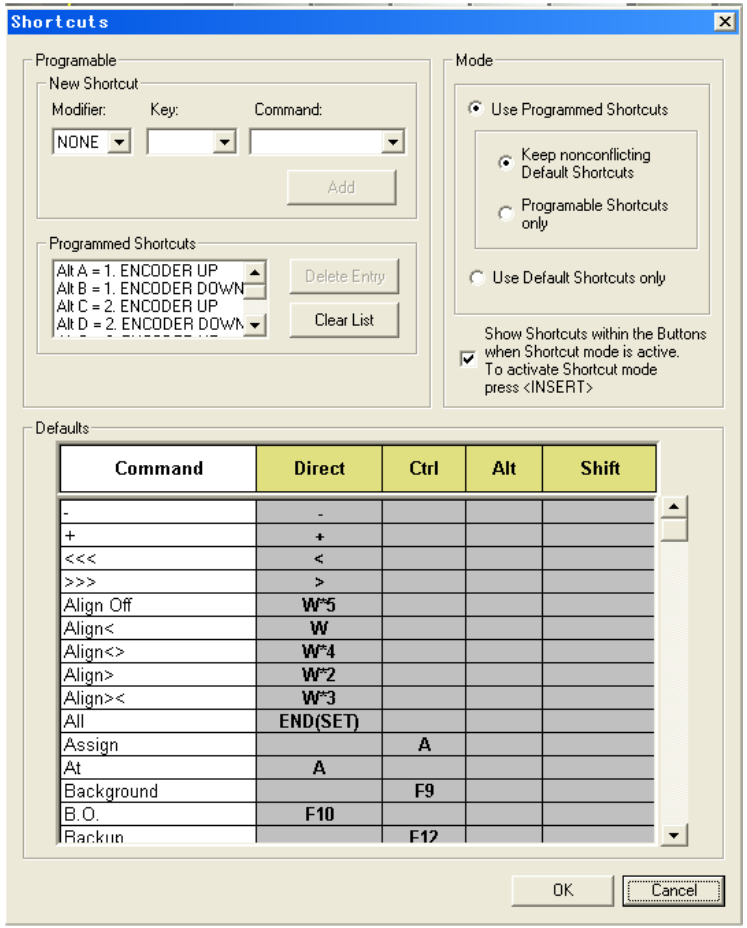
MIDI Settings



Midi in

Sets the virtual MIDI OUT configured in Mid2Key. This is set to match the setting explained in the previous page. (in this case MIDI YOKE 1)

Shortcut Settings



The basic settings are configured to default values and Mid2Key matches them when outputting.

Fader buttons are the 2 rows on top of the faders and can be called by shortcuts.

The 4 encoders are not set to default shortcuts so they need to be registered as programmed shortcuts as seen below:

Alt A: 1.ENCODER UP

Alt B: 1.ENCODER DOWN

Alt C: 2.ENCODER UP

Alt D: 2.ENCODER DOWN

Alt G: 3.ENCODER UP

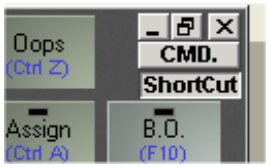
Alt H: 3.ENCODER DOWN

Alt I: 4.ENCODER UP

Alt J: 4.ENCODER DOWN

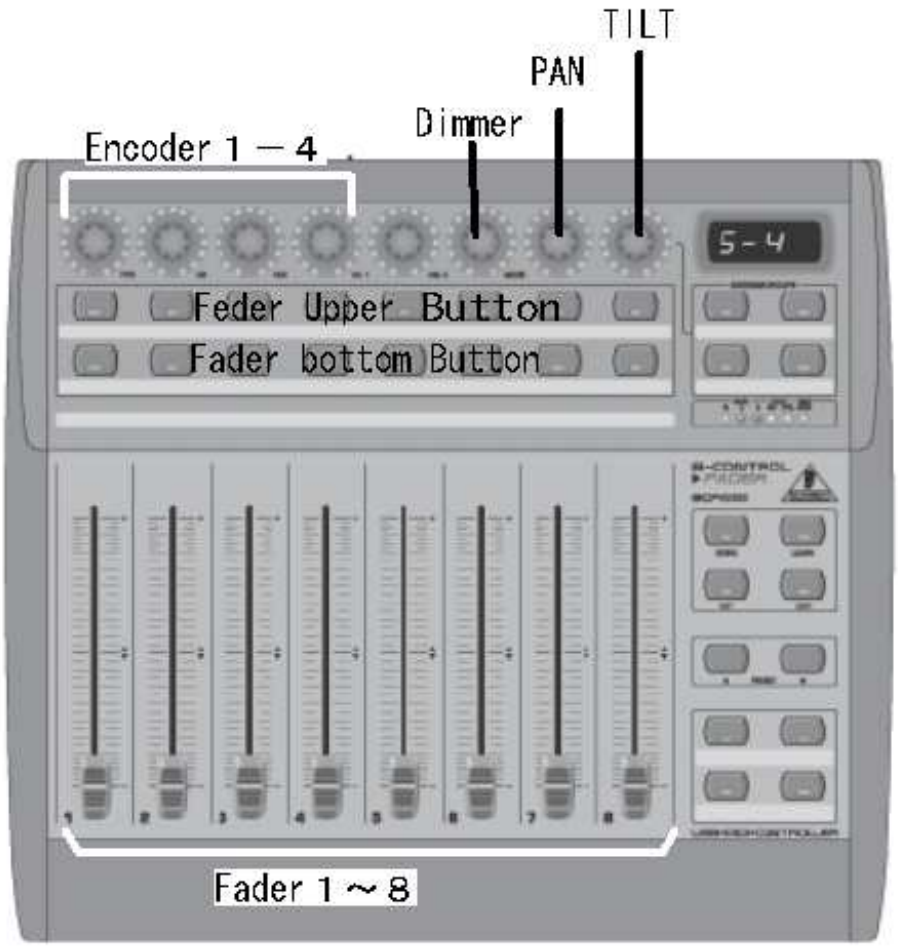
Note: "Alt E" and "Alt F" are set to defaults so they are skipped here.

Check "Use Programmed Shortcuts" and "Keep nonconflicting Default Shortcuts".



Turn on the "ShortCut" button in OnPC. (pressed)

No other operations are available via shortcuts.


TILT
PAN
Dimmer
Encoder 1 — 4
5-4
Feder Upper Button
Fader bottom Button
Fader 1 ~ 8