Index

getting connected (i) – USB

USB can be used, but only if your computer runs one of the following operating systems:

- **Windows$^®$ XP**
- **Windows$^®$ 2000**
- **Mac$^®$ OS-X**

for all other systems - use a normal MIDI connection.

Note : Mac$^®$ OS-X will load its own generic USB/MIDI driver when the BCR2000 is connected via USB.

Note : Windows$^®$ 2000 users *must* install the BEHRINGER driver v1.1.1.0. To install the BEHRINGER driver, please use our driver set-up utility program (BCSetup.exe).

Note : Windows® XP will load its own generic USB/MIDI driver when the BCR2000 is connected via USB, but we recommend installing the BEHRINGER driver v1.1.1.0 for better performance and features.

Note : if v1.0.0.2 is already installed – please update driver to v1.1.1.0

The .dll file, set-up utility and read-me files can all be downloaded from :

http://www.behringer.com/05_support/bc_download/preset_download.cfm?lang=ENG

filename = Driver_1110.zip

USB MIDI driver (v1.1.1.0) for WINDOWS® XP/2000

BCR2000 port configuration : select one of the "USB" modes on the BCR2000. Check this in the global menu. Press "EDIT" and then "STORE" keys together, the display will read EG (edit global). Use the "TYPE" encoder to select the port status (mode) – for best results select mode U-1. Exit the global menu.

Note : after setting the BCR2000 port configuration you must exit the global menu.

Follow the instructions for your OS as described in **attachment #01 USB_MIDI_Driver_1110 _readme.pdf**. Once the driver is installed and the device is connected via USB, you will find that the BCR2000 is recognised within the computer's OS. Windows® users will be able to check this in the device manager (control panel).

Note : It is OK to use a USB hub, but if you experience difficulties when installing the hardware, try using a direct USB connection to the motherboard for the installation. You can repeat the installation for each USB port which you are likely to use.

getting connected (ii) – MIDI

For operating systems where USB is not supported, or any OS other than Windows®
2000/XP or Mac® OS-X, you will need to use the MIDI connections. Ensure that your
existing MIDI interface is installed and recognised by your host software.

BCR2000 port configuration: select one of the "stand-alone" modes for the BCR2000
Check this in the global menu. Press "EDIT" and then "STORE" keys together, the
display will read [EG] (edit global). Use the "TYPE" encoder to select the port status
(mode) – for best results select mode S-4. Exit the global menu and call up a preset.

Note : after setting the BCR2000 port configuration you must exit the global menu.

getting connected (iii) – cascading BCF2000 / BCR2000

You can also connect two or more BCR2000, or a combination of BCF2000 and
BCR2000. The most convenient way is to use multiple USB ports – if your host system
allows this.

Note : when using multiple USB ports, the port configuration for all devices should be U-1.

Note : each device must be assigned an exclusive device ID in the "global edit" menu.

Note : To enable multiple client operation, Windows® XP users will also need to install the
BEHRINGER USB/MIDI driver v1.1.1.0 (see getting connected (i) above).

Note : Windows® 2000 users *must* use the BEHRINGER USB/MIDI driver v1.1.1.0 (see getting connected (i) above). This also allows multi-client capability.

Note : do not expect parameter feedback if this feature is not supported by your host software !

Note : you may need to add extra control surfaces within your host software (eg Cubase®) for each subsequent BCF2000 / BCR2000.

If your host system has only one USB port free, you can create a chain of BCF2000s and BCR2000s, each time using "MIDI OUT A" to "MIDI IN". The last B-Controller in the chain is connected to the computer via USB. The port modes will be U-4 for the last unit (with the USB connection) and S-3 for all others.

Note : Cascading two units via MIDI is described in the user manual. This configuration supports parameter feedback.

Note : If you are not using USB, you can still add units in a MIDI chain as described above, but use the MIDI ports instead of USB. The port configuration is S-3 for all units.

Note : Parameter feedback is not supported if three or more units connected via MIDI. Alternatively, you may use a MIDI splitter / hub.

getting configured (i) – before starting host software

Having read "getting connected" – if your BCR2000 has operating system V1.06 or earlier, you are now at the right stage to upgrade your BCR2000 to V1.07. The current operating system version number is displayed for 2 seconds during power up. The sys-ex file, upgrade utility and read-me files can all be downloaded from :

http://www.behringer.com/05_support/bc_download/preset_download.cfm?lang=ENG

filename = BCR_v107.zip

Firmware upgrade BCR2000

If you want to UPGRADE your BCR2000 then please also read **attachment #02 BCx2000_Upgrade_03.pdf** and **attachment #03 Firmware_V1.07_readme.pdf**

Note : If Windows® USB/MIDI driver v1.0.0.2 is already installed – be sure to update driver to v1.1.1.0 before upgrading the BCR2000 operating system (see "getting connected (i) above)

For Windows® users who are not using a MIDI utility software, we do provide an update utility program. The necessary file may be downloaded from :

http://www.behringer.com/05_support/bc_download/preset_download.cfm?lang=ENG

filename = Update_Utility.zip

Windows ® update utility for BCF2000/BCR2000

Note : For USB systems - you may upgrade via USB or MIDI, but ensure that the correct port is selected in the BCR2000 (either U-1 or S-1). MIDI is the more reliable option (S-1).

Note : This procedure will not overwrite the factory presets.

Once you have completed the upgrade to V1.07, you are now at the right stage to transfer preset templates to your BCR2000.

Note : your BCF2000 was shipped with a number of pre-configured templates. You can download sys-ex files for all of these and more from :
http://www.behringer.com/05_support/bc_download/preset_download.cfm?lang=ENG

We hope that you can appreciate that there are so many commercial MIDI-based audio software packages on the market that it is impossible for us to offer a preset template for every single one. We have done our best to provide templates for the most popular current packages, but if you do not find a template for your particular host software, please do not be disheartened. You may find that another user has already created a suitable template and posted it as a sys-ex file on the Usenet (see links at end of this document). You can also use the "LEARN" function to configure a blank preset in exactly the way you want it to be (see "getting configured (ii)… below) or the "EDIT" function to fine-tune a pre-set template. Refer to the BCR2000 instruction manual and the documentation for your host software.

Note : The preset templates are sys-ex files. Transfer these into the BCR2000 using a standard MIDI utility (e.g. MIDI-OX or SendSX) or a MIDI sequencer. The BEHRINGER upgrade utility cannot be used for transferring single preset templates.

Note : Before transferring sys-ex files, ensure that the BCR2000 is not in the "global edit" menu.

Note : After making any changes to the BCR2000 configuration – whether by sys-ex transfer or manually using the "LEARN" or "EDIT" functions - **do not forget to store these changes** before selecting a new preset or powering off the unit.

Refer to the appropriate read-me file which was downloaded with the template for more details.

At this stage you are now ready to open your host software. To avoid possible device conflicts, we recommend that other unrelated MIDI or audio applications are closed before proceding, at least until after the BCR2000 has been successfully incorporated within your system.

getting configured (ii) – after starting host software

Check that the BCR2000 is recognised as a MIDI device by the host software. You will probably need to establish the BCR2000 as a "generic remote" control surface. If you need more help with this, please refer to the documentation for your host software for detailed instructions on creating / importing / storing MIDI control surfaces.

Note : Be sure to save all configuration changes within your host software. Some programs must be closed and re-opened before these changes are commited. Refer to the documentation for your host software for more detailed instructions.

Note : Detailed instructions on using the "LEARN" and "EDIT" functions may be found in the BCR2000 instruction manual.

At this point you should be able to establish MIDI communication between your BCR2000 and your host software.

Online resources

BEHRINGER provides an online FAQ and customer support service, accessible 24/7 at

http://behringer-en.custhelp.com/cgi-bin/behringer_en.cfg/php/enduser/std_alp.php?sm=2

In addition to our own online support service and FAQ site, you may wish to enquire on any of the following forums:

Disclaimer :

We assume no liability for the contents of third-party websites. BEHRINGER is not liable for any damage to your software and/or hardware that may result from visiting third-party websites. Neither are we liable for the availability of third-party websites nor for the contents/goods shown/sold on third-party websites.

Additional information about this subject is available for your perusal in our **Terms of Use.**

http://bebop.audioshot.net/bcr-bcf.html

http://www.dreampoint.co.uk/b-control/library.htm

http://members.lycos.co.uk/bcontrol/

http://forum.Cubase.net/forum/

http://www.opuslocus.com/lcxmu/

http://www.osxaudio.com/forums/

http://community.sonikmatter.com/

http://www.dancetech.com/aa_dt_new/index.cfm

If you require a MIDI utility for transfering sys-ex files, you can find one at

http://www.midiox.com/

http://www.bome.com/midi/sendsx/

or specifically for Macintosh

www.snoize.com/SysExLibrarian

For general information and help with USB issues

http://www.usb.org/faq
http://www.usbman.com/

Attachments

#01 – USB_MIDI_Driver_1110_readme.pdf

#02 – BCx2000_Upgrade_03.pdf

#03 – Firmware_V1.07_readme.pdf

WINDOWS®, MAC® and their respective logos are registered trademarks of their respective owners. Their use neither constitutes a claim of the trademarks by BEHRINGER® nor affiliation of the trademark owners with BEHRINGER®. Please see our Terms of Use.

© 2004 BEHRINGER Spezielle Studiotechnik GmbH