Default Guide to configuring BCF2000's. Single and dual units.

This is for one unit via USB with a second chained to it or a single unit connected via USB or MIDI. Assuming you've got good units and they don't need replacing, the following should just work.

To start, you'll need MIDIOX. Download and install it. http://www.midiox.com/

You'll need one or two BCF2000's and a pair of MIDI cables if you're connecting dual units. You shouldn't need any of the Behringer software, at least I didn't. I used the USB audio drivers that Windows automatically configured.

1) Connect your first BCF2000 via USB and wait for windows to load the drivers or connect a single controller via MIDI connections. For MIDI you'll connect the Output on an interface to IN on the BCF and OUT A on the BCF to Input on an interface.

2) Configure the device operation mode for the appropriate connection. To set that press and hold Edit then press store. The display should now show EG. Push the top left rotary encoder and scroll it left or right to select a mode. If it's connected by USB select U-1, if it's connected by MIDI select S-4. Press the Exit button to store the operation mode.

3) Run MIDIOX and under Options->MIDI Devices select either your MIDI interface ports or the USB Audio Device which is a BCF via USB. The MIDIOX window should show the ports have been opened.

4) Now go to View->Sysex... which will open the Sysex View and Scratchpad window. Go to Sysex->Configure... and set the Delay between buffers to 100ms and the Delay after to 100ms.

5) Click OK to go back to the Sysex View and Scratchpad window. Next go to File->Send Sysex File... browse to the \SAC\Configuration folder and send "MidiCtrl_Behringer_BCF2000_Ch_1-8_Preset.syx". The display on the BCF will show a looping bar and MIDOX will show the data being sent with a progress meter.

6) Once the sysex has loaded, press the Store button on the BCF once to enter store mode and select a preset to store into. For safety's sake I stored the new config into the first 10 presets. That may make it difficult to use with anything other than SAC, but in my case I'm not worried about that. On my first unit I left it set to Preset 1, showing P-1 on the display as an additional indicator that this is unit 1.

7) Close the Sysex View and Scratchpad window, go back to your main window and go to View->Input Monitor... You should see lists of MIDI data being transfered as you manipulate the BCF.

8) To test in SAC close MIDIOX, open SAC and do the following:

   Options->MIDI Device Setup select your In and Out devices. These should be the same devices as you selected in MIDIOX.

Under the Smpte/Midi menu select both Midi-Control In Active and Midi-Control Out Active

Go to File->Midi-Control Template File, browse to \SAC\Configuration and select either "MidiCtrl_Behringer_BCF2000_8-Ch.mct" or "MidiCtrl_Behringer_BCF2000_16-Ch.mct" depending on your final channel count. If you'll be using a 16-channel setup you can use the 16 channel template with only one device and only the appropriate channels will be controlled.

Save your Default preferences if you don't want to configure all this each time you start SAC. You're ready to move faders, bank around, mute, solo etc. and make sure the BCF is properly controlling SAC.

If you're only configuring a single unit, you're done. If you want to configure dual units, there's obviously more work to go.

9) BCF 1 is configured and ready to roll, power it down, disconnect it and connect BCF 2 in its place. For the moment you can reuse all the same connections.

10) With BCF 2 follow steps 2-8 again. There are only a few changes.
   You can skip step 4 since MIDIOX should retain that configuration even if you've closed it.

In step 5, send "MidiCtrl_Behringer_BCF2000_Ch_9-16_Preset.syx" instead of "MidiCtrl_Behringer_BCF2000_Ch_1-8_Preset.syx".

In step 6, I stored and left my second unit on preset 2 or displaying P-2 instead of preset 1.

11) You're now ready to put together and test the dual BCF configuration.

To start, disconnect BCF 2 and reconnect BCF 1 to the host by USB. Once powered up and connected, follow the instructions in step 2 to change BCF 1's operation mode to U-4 and BCF 2's operation mode to S-3.

BCF 2 links to BCF 1 with the pair of MIDI cables. Connect BCF 1 OUT A to BCF 2's IN port. Connect BCF 2's OUT B/THRU back to BCF 1's IN port.

If you go back to SAC and have the USB Audio Device selected as your in and out Midi devices you should now be able to control a bank of 16 channels at once.

12) I labeled my rear panel Midi connections and the front of each unit with a little piece of board tape so I know what's what for easy configuration. Do what works for you.