Getting Started:

1. **REGISTER!** Please take a moment to register serial numbers for your B80 Chassis, all Daughter Cards, and BP-300. **You must register to activate your warranty.** To register, please visit: [www.burlaudio.com/register](http://www.burlaudio.com/register)

2. **Check Jumper Settings on BMB2**

   - Find H6 on the BMB2 Motherboard, as shown in Image 1 below.
   - Jumper settings will determine the input / output configuration for your B80 MOTHERSHIP Chassis. Use the following examples (a - d) to determine which setting to use based on your configuration.
   - **NOTE:** For sample rates 176.4k and 192k, output configuration is always channel 1 starting at slot 7, channel 1 regardless of jumper settings. For all other sample rates, output mapping is as per below.
   - Jumper positions 1 and 2 determine input mapping (BAD4, BAD8)
   - Jumper positions 3 and 4 determine output mapping (BDA8)
   - Jumper positions 6 and 7 are NULL, default

   ![Image 1](image1.jpg)

   **Image 1:** BMB1 H6 shown, but this is the same for BMB2. Locate the H5 Header on BMB2 Motherboard (same as H6 in image). From the rear of the chassis, BMB2 is on the far left. The H5 Header is highlighted. In this example, jumpers are on 6 and 7.
a. BMB2 example jumper settings for a 24in x 32out system using BAD4 and BDA8 Daughter Cards

Image 2: This is an example of a 24 in, 32 out MOTHERSHIP with BAD4s and BDA8s. In this example, inputs 1-4 are found in slot 1, outputs 1-8 are found in slot 7.

Image 3: Jumper on 6 and 7 for BMB2 Rev C Rom 2 support BAD4 and BDA8.

b. BMB2 example jumper settings for a 40in x 40out system using BAD8 and BDA8 Daughter Cards

Image 4: This is an example of a 40 in, 40 out MOTHERSHIP with BAD8 and BDA8 Daughter Cards.

Image 5: Jumper on 1 and 3 for BMB2 Rev C Rom 2 support BAD8 and BDA8.
c. BMB2 example jumper settings for a 32in x 32out system using BAD8, BDA8, BAES4 and BCLK daughter cards

Image 6: This is an example of a 32 in, 32 out MOTHERSHIP with BAD8s, BDA8s, BAES4, and BCLK Daughter Cards.

Image 7: Jumper on 2 and 3 for BMB2 Rev C Rom 2 for BAD4s, BAD8s, BAES4 and BCLK Daughter Cards.

d. BMB2 Jumper Settings for 16in X 64out system using BAD8s and BDA8 daughter cards

Image 8: This is an example of a 16 in, 64 out MOTHERSHIP with BAD8 and BDA8 Daughter Cards.

Image 9: Jumper on 1 and 4 for BMB2 Rev C Rom 2 for BAD4 and BDA8.
• Install Daughter Cards

*Image 10:* Inserting Daughter card into the card guides.  
*Image 11:* Attaching ribbon cable to front pane

*Note:* For more information on installing Daughter Cards, please go to:  
www.burlaudio.com/b80-quick-start-video

• Install Vents

  o Install the 1U vents above and below the B80 Chassis. The MOTHERSHIP MUST run with proper ventilation.
  o Failure to properly vent the MOTHERSHIP chassis above and below may cause failure, and will void the warranty.

*Image 12:* B80 MOTHERSHIP with 1U vents above and below for proper air flow.

• Connect BMB2 to MADI card

  • As of this Quick Start guide, the RME HDSPe, RME HDSPe FX, and RME MADIFACE card are supported.
  • MADI supports 64 inputs x 64 outputs at 44.1k, 48k per MADI cable. Use only the top optical port in this case. The second MADI optical port may be plugged in with no ill effect.
  • MADI supports 32 inputs x 32 outputs at 88.2k and 96k per MADI cable. If you are using more than 32 channels for input or output you will need to use both MADI optical ports, the top for 32x32, and bottom for second 32x32.
  • MADI supports 16 inputs x 16 outputs for 176.4k and 192k. If you are using more than 16 channels for input or output you will need to use both MADI optical ports,
the top for 16x16, and bottom for second 16x16.

- Note that when using 176.4k or 192k, channel 1 output (i.e. 1st BDA8 output channel 1) always starts at slot 7 channel 1, regardless of jumper settings.

6. **Set Front panel to INT (internal clock) or EXT (external BNC word clock in)**

7. **RME Driver settings**

![Image 13: 44.1k example](image)

- **MADI OUT** set to 64 (32)
- **96kHz**, for 88.2k and 96k, set to **96K Frame**
- **Clock Mode** set to **AutoSync**
- **Pref Sync Ref** set to **MADI** (no word clock cable required)