B16-BMB2
MOTHERSHIP

BMB2 Rev C Rom 3

Quick Start Guide

Section 1: Getting Started
Section 2: MADI Quick Start

Revision 1.8 January 16, 2020

1. GETTING STARTED

1.1 Register

Please register all serial numbers for your B16 MOTHERSHIP chassis and all Daughter Cards.

You *must* register to activate your warranty! Please visit: **www.burlaudio.com/register**.

1.2 Install Daughter Cards (If Necessary)

If the Daughter Cards have been pre-installed, skip to page 3, step 1.8.

1.3 Remove Lid

1. Remove 9 screws on top and 2 on each side (**Image 1**).
2. Push lid up from card slot (**Image 2**).

Image 1: Top view shows location of 4 screws on side before removing the lid.

Image 2: Push lid up.

1.4 Verify Jumper Settings On BMB2

1. Find H6 on the BMB2 Motherboard, as shown in **Image 3** below.
2. Jumpers should be on 1 and 8 for use with B16 MOTHERSHIP.

Image 3: Locate the H6 Header on BMB2 Motherboard. From the rear of the chassis, BMB2 is on the bottom left. The H6 Header is highlighted.

For B16, jumpers must be on 1 and 8.

1.5 Install Daughter Cards

1. Make sure the card is inserted into the card guides, and the card is properly connected to the backplane. (**Image 4**)
2. Pull cables through to the front for connection to faceplate. (**Image 5**) Refer to Daughter Card Quick Start Guide for further installation instructions.
3. Inputs 1-8 or outputs 9-16 are found in slot 1. Inputs 9-16 or outputs 1-8 are found in slot 2 (**Image 6**).

Image 4: Insert the Daughter Card into the card guides. Make sure the metal Daughter Card backplate, *not* PCB, is inserted into the card guides.

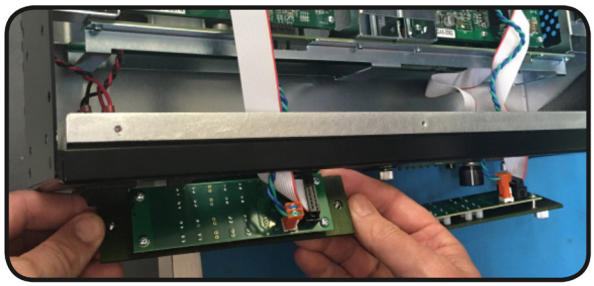

Image 5: Attach the ribbon cable and **2** pin connector for BAD4 and BDA8 to the front panel.

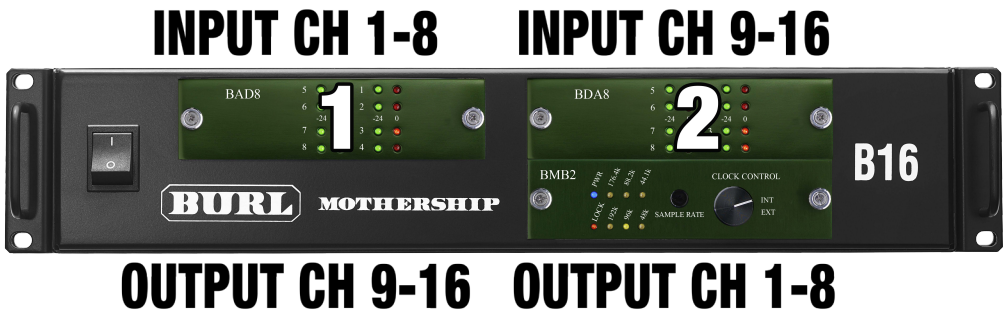

Image 6: Front view, with card slot numbers. Configuration for 8 in, 8 out.

1.7 Attach Lid With All Screws

1.8 Install Vent

Image 8: B16 MOTHERSHIP with 1U vent above for proper airflow.

Important Installation Notes:

1. Install the 1U vent above the B16 chassis. The MOTHERSHIP *MUST* run with proper ventilation.
2. Failure to properly vent the MOTHERSHIP chassis above may cause failure, and will void the warranty.

2. MADI QUICK START

2.1 Connect MADI 1 Port on BMB2 to RME MADI Card

Note: As of this Quick Start guide, the RME HDSPe, RME HDSPe FX, and RME MADIFACE card are supported.

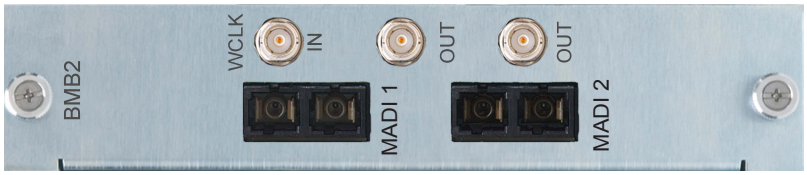

Image 9: BMB2 Rear Panel. *Note: For B16 Mothership, use MADI 1 Port only.*

2.2 Set Front Panel to INT (Internal Clock) or EXT (External BNC Word Clock In)

Image 10: BMB2 Front Panel

2.3 RME Driver Settings

- 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)

Image 11: 44.1k example