

## MM44B User guide.

### MM44B App Setup -

The MM44B is a 4-Control, 4-Bank iOS App for Bose® ESP and PM8500 systems. MM44B is a universal iPhone / iPad App.

MM44B setup assumes familiarity with the Bose® CSD tool and with CC-64 configuration.

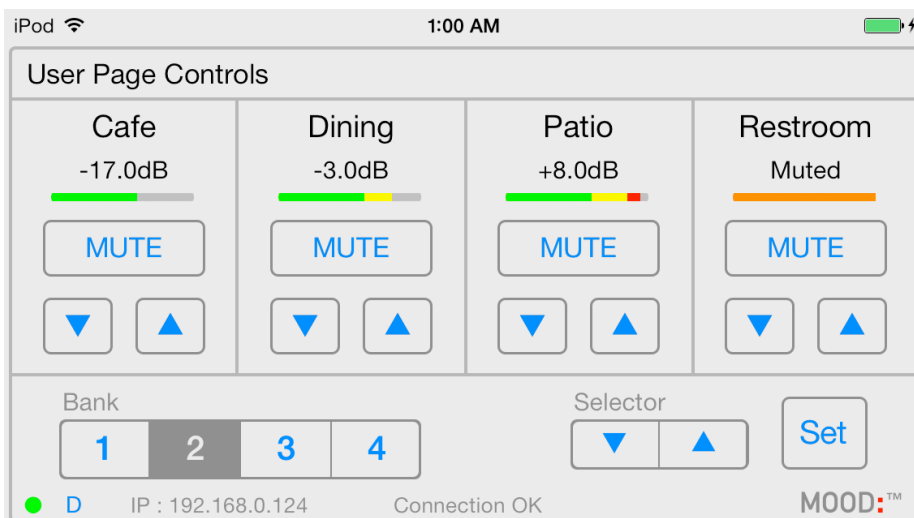
Set up network.

1. Configure the network attached to your ESP unit to have Wi-Fi. The MM44B communicates via Wi-Fi only.
2. Configure your iOS device to work with your Wi-Fi network. Consider using a fixed IP.
3. Launch the MM44B App. It will display your iOS device MAC and IP number. If using DHCP then this IP number was assigned by your router. If you set up a fixed IP number on your iOS device then the fixed IP number will be displayed.

Using CSD configure the MM44B just as you would a Bose® CC-64 wired control.

1. In CSD copy/paste your existing CC-64 control or create a new CC-64 control.
2. Set the CSD CC-64 control IP address to the one that is displayed on the CTL 44B App when it is launched (step 3).
3. Configure your new CC-64 control as is needed for your install.
4. Make sure that the MM44B App is running and displayed on your iOS device.
5. Up-load the new CSD configuration to your ESP unit. You should see your iOS device listed in the CSD Scan.
6. With the MM44B App running, power cycle the ESP unit.
7. Use your CTL 44B App.

Screen Shot of MM44B App running on an iPod Touch.



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### **MM44B App UI fields.**

Title area – Set up by CSD using Selector methods.

4 Control Titles – same as CC-64.

4 Control Values – Same as CC-64.

4 Green/Yellow/Red progress bars that indicate Gain or Mute status (orange).

4 Mute or Set buttons. Depends on CSD configuration.

4 UP / Down Buttons. – Single tap for increment / decrement. Hold down for continuous update.

Bank switch control. – Use to switch which Bank is displayed.

Selector up /Down Buttons. – Use same as with CC-64.

IP number display – Useful for CSD setup.

Status message display.

Status LED - Since the MM44B is running on a Mobile or Portable device, it is possible to walk out of range of your Wi-Fi network. There is an indicator in the Lower Left Corner of the UI that indicates Green if in range and communication to ESP is established. Yellow indicates a dropped network message. RED indicates a loss of connection.

### **MM44B App Settings -**

Background color. - 4 shades of gray.

Network Timers -

1. Status update rate. - rate at which update polling occurs.
2. Message timeout. – Time allowed for message response before indicating a dropped message.

Screen Settings –

1. Show IP Number – On/Off to Enable/Disable IP number display.
2. Show Status messages - On/Off to Enable/Disable status message display.
3. Backlight enable - On/Off to Enable/Disable CSD Backlight.
4. Volume control enable. - On/Off to Enable/Disable Volume and Mute controls.

### **MM44B More information -**

Contact DSP Wireless Inc. at [www.dspwi.com](http://www.dspwi.com)