




Firmware Menu for DirectStream DAC Mark 2















This document by David J. Perry, updated April 17, 2023.
Based on user manual rev. C1, updated from release notes for firmware 2.5.0.

TEST		
BitPerfect	Play BitPerfect track on any input. ¹	If BitPerfect signal is detected, B icon will display while track is playing.

Symbols:  = Menu Button  = center button on control ring



When done, long press  or wait 15 seconds.


SETTINGS: ONE-LEVEL MENUS		
Long press (>2 sec.)  to enter the menu system;  will show on screen.		
Short press  or use → to reach desired menu. Use ↑ or ↓ to change value.		
Balance	↑ increase right channel ↓ increase left channel	
Phase	Normal Inverted	
Pre-emphasis	Auto: Mk2 detects from CD (default) On: Pre-emphasis always on Off: Pre-emphasis always off	
Versions [information only]	Unit ID Firmware (UI) version FPGA version USB version network version	↑ or ↓ to see items not visible




SETTINGS: TWO- OR THREE-LEVEL MENUS		
Long press (>2 sec.)  to enter the menu system;  will show on screen.		
Short press  or use → to reach desired top-level menu. Press  to access sub-menus.		
If needed, use → or double press  to reach desired sub-sub-menu; press  to select.		
Use ↑ or ↓ to change value.		
Audio Input	Input Names, press 	→ selects input to rename, press  ↑ or ↓ to choose desired name
	Ground Lift, press 	↑ or ↓ to select input to change press  to toggle Lifted / Unlifted
	I2S Polarity, press  *	↑ or ↓ to select input to change press  to toggle Normal / Inverted
	Auto Power, press  (controls I2S-1, I2S-2, and USB inputs)	↑ or ↓ to select input to change press  to toggle On / Auto



*Play a BitPerfect track through I2S-1 or -2; Mk2 will detect whether Data and LRCLK lines are inverted and set the I2S Polarity appropriately. Use the menu to override auto setting if desired. Another test is to play a CD; if the display shows 16/44.1 polarity is good, if 16/22.1 it's inverted.

























¹ Need to test separately for each input. E.g., a file played from a USB stick via the PST might be bit-perfect, but the same file played through a network player might not be.

Long press (>2 sec.)  to enter the menu system;  will show on screen.

Short press  or use  to reach desired top-level menu. Press  to access sub-menus.

If needed, use  or double press  to reach desired sub-sub-menu; press  to select.

Use  or  to change value.

Audio Output	Fixed Volume	 or  to select volume desired ² To disable, set to 0 or Off
	Max Volume	 or  to select max volume ² To disable, set to 100
	Ground Lift on outputs	Lifted to enable Grounded to disable (default)
	Shell Lift on XLR output	Lifted to enable Grounded to disable (default)
	RCA Balance	On to select Balanced Off to select Unbalanced (default)
System	Backlight	10 (brightest) to 1 (dimpest)
	IR Status	On Off
	Trigger Timeout	 or  to select the delay desired. Off to disable.
	FPGA Load	 or  to select the version desired ³  or  to apply choice
	Factory Reset	Reset to perform reset Exit to keep current configuration
Network	Network Status [information only]	Wired or Wi-Fi IP address Connection status
	Wi-Fi Enable	On  will show on screen ⁴ Off  will show on screen
	WPS (automated connection)	 or  to select On / Off If On, press WPS button on router
	Wi-Fi Setup (manual)	Network Select  or  to choose desired network Press  to confirm Accept SSID  or  to accept or cancel the selection Password Screen  or  to find desired character Press  to select character Double-press  to back up one char. When done, long press  to save password and connect
	Forget Wi-Fi	Yes to forget network No to keep current network

² Hold down  or  to move quickly through values.

³ This menu must be used even if the USB stick has only one FPGA version on it.

⁴ Wi-Fi icons courtesy of Flaticon.com.

