

Bowers & Wilkins

DB-D Subwoofer RS-232 Interface Instructions - v1.0

Location of RS232 Connection

The DB-D products can all be controlled via the RS-232 port, which uses a standard D9 female connector. The RS-232 port is located on the rear connector panel.

RS-232 Communication Parameters

The RS-232 parameter settings are:

Baud Rate	9600
Data	8 Bit
Parity	None
Stop	1 Bit
Flow Control (handshaking)	None

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Configuration Requests

Function	Command (Send)	Reply (Return)	Remark
Request model name	GET_NAME	DB1 DB2 DB3 DB4S	Name returned for DB1D Name returned for DB2D Name returned for DB3D Name returned for DB4S
Request FW version	GET_FW	WWW.XXX.YYY.ZZZ	The FW version is split into three sections, the first 3 digits provide FW version, the second 3 digits are DSP version and the final 3 digits are the BT LE profile
Request operating state	GET_SYS_MODE	NORMA_MODE SLEEP_MODE STANDBY_MODE TEST_MODE SERVICE_MODE	Normal Mode Sleep Mode Standby Mode Test Mode Service Mode
Request volume level	GET_GAIN	GAINXXX	The volume gain will be displayed as a dB level from the range of -30 to +05
Display the current input	GET_AUDIO_SOURCE	XLR_MONO	XLR mono input active
		XLR_STEREO	XLR stereo input active
		RCA_MONO	RCA mono input active
		RCA_STEREO	RCA stereo input active
Display the BLE MAC address	GET_BLE_ADDR	XX-XX-XX-XX-XX-XX	Displays the Bluetooth LE MAC address
Display the BLE over the air (OTA) MAC address	GET_OTA_BLE_ADDR	XX-XX-XX-XX-XX-XX	Displays the Bluetooth over the air (OTA) MAC address

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Configuration Commands

Function	Command (Send)	Reply (Return)	Remark
Power to "Standby"	ENTER_STANDBY_MODE	OK_SET_STANDBY_MODE	Take the product from the "On" state to "Standby"
Power to "On"	POWER_ON	OK_POWER_ON	Take the product from the "Standby" state to "On"
Set the product volume to a defined level	SET_GAINXXX	OK_SET_GAINXXX	XXX : -30 ~ +05 set current audio source (RCA or XLR) trim level
Toggle low pass filter on and off	LPF_ON	OK_LPF_ON	Enable the low pass filter
	LPF_OFF	OK_LPF_OFF	Disable the low pass filter
Set low pass frequency to value	SET_FREQXXX	OK_SET_FREQXXX	Set the low pass filter to any frequency in the range of 25Hz to 150Hz
Enable mute	MUTE	OK_MUTE	Mute enabled
Setting the audio source to a defined input and configuration	SET_XLR_MONO_RCA_NA	OK_SET_XLR_MONO_RCA_NA	Set the product to XLR input in mono mode and no input for the RCA
	SET_XLR_STEREO_RCA_NA	OK_SET_XLR_STEREO_RCA_NA	Set the product to XLR input in stereo mode and no input for the RCA
	SET_XLR_NA_RCA_MONO	OK_SET_XLR_NA_RCA_MONO	Set the product to no input on the XLR and RCA input to mono mode
	SET_XLR_MONO_RCA_MONO	OK_SET_XLR_MONO_RCA_MONO	Set both the RCA and XLR inputs to mono mode
	SET_XLR_STEREO_RCA_MONO	OK_SET_XLR_STEREO_RCA_MONO	Set the product to XLR in stereo mode and RCA to mono mode
	SET_XLR_NA_RCA_STEREO	OK_SET_XLR_NA_RCA_STEREO	Set the product to no input on the XLR and RCA to stereo mode
	SET_XLR_MONO_RCA_STEREO	OK_SET_XLR_MONO_RCA_STEREO	Set the product to XLR input to mono mode RCA to stereo mode
	SET_XLR_STEREO_RCA_STEREO	OK_SET_XLR_STEREO_RCA_STEREO	Set the product to XLR input to stereo mode RCA to stereo mode