DB33 DarkBox Programmer V3

User Guide

Introduction

The **Gantom DB33 DarkBox Programmer V3** is a handheld configuration tool used to program and configure compatible Gantom lighting fixtures. It is used to set fixture addressing, define default output behavior, and manage startup indication settings during setup or installation.

The DB33 DarkBox Programmer V3 is intended for fixture configuration only.

Device Overview

The DB33 DarkBox Programmer V3 features a compact enclosure with a full-color display and a single rotary push-button control for navigation and selection. When powered, the unit displays the main menu and is ready for configuration.

Power Input

The programmer is powered using a **12 V DC power supply** (2.1 mm barrel connector, 5 A maximum). The unit powers on automatically when power is connected and powers off when disconnected.

Fixture Output Connection

A female **RJ45 output port** is provided for connection to compatible Gantom fixtures. This port supplies power and configuration signals to the connected fixture. A screw-on protective cap is included to protect the port from dirt and incidental moisture when not in use.

Controls & Navigation

All navigation and selection is performed using the rotary push knob.

Rotating the knob scrolls through menu options or adjusts values. Pressing the knob selects a menu item or confirms a value. Pressing and holding the knob returns the unit to the main menu from any function screen.

When first powered on, the programmer displays the main menu with the first available function highlighted.

Main Menu Functions

Set DMX Address

This function programs the DMX address that the connected Gantom fixture will respond to when receiving a DMX control signal.
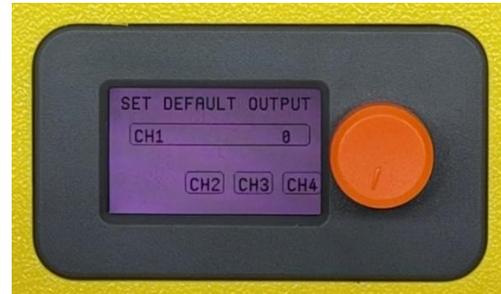
Selecting **Set DMX Address** displays the current three-digit address. A red selection box indicates the active field. With the selection box around all digits, pressing to select and then rotating the knob increments or decrements the address as a whole.

Rotating the knob without pressing moves the selection box between the hundreds, tens, and ones digits. Pressing the knob selects a digit for editing; rotating adjusts the value. Press again to confirm the digit.

Rotate the knob to highlight **Apply**, then press to write the address to the fixture.

After the address is applied, the fixture flashes a red, green, and blue sequence to indicate the programmed address value.

Set Preset Look

This function defines the fixture's default output state when power is applied without an active DMX control signal.

Selecting **Set Preset Look** displays the currently selected channel and output value. A black selection box indicates the active channel. Rotating the knob scrolls through available channels (CH1–CH8).

Pressing the knob selects a channel and enables value adjustment, indicated by a red selection box. Rotating the knob adjusts the channel value from 0–255. Press the knob to confirm the value, then rotate to select another channel as needed.

After all desired channel values are set, double-press the knob to save and lock in the preset look. The programmer will confirm the selection and return to the channel selection screen.

Press and hold the knob to return to the main menu when finished. As values are adjusted, the connected fixture updates immediately to reflect the selected output.

Silent Boot Toggle

This function enables or disables the fixture's startup flash sequence that indicates the programmed address when power is applied.

Selecting **Silent Boot Toggle** and pressing the knob toggles the setting between enabled and disabled. A confirmation message appears briefly, after which the programmer automatically returns to the main menu.

To verify the setting, disconnect the fixture from the programmer and reconnect it. If the fixture flashes its address on reconnection, Silent Boot is disabled. If the fixture does not flash, Silent Boot is enabled.

Reset Programmer

This function resets the programmer to its default operating state.

Selecting **Reset Programmer** briefly clears the display, shows the startup screen, and returns the unit to the main menu. This may be used to recover from unexpected behavior or reset programmer settings.

Important Use Limitations & Notes

This device is intended for indoor, non-wet locations only.

The RJ45 connector is an output only and is intended exclusively for connection to compatible Gantom fixtures. The RJ45 port cannot be used for firmware updates or as an input connection of any kind.

Do not connect network equipment, computers, controllers, or any non-Gantom devices. Improper use may result in permanent equipment damage and will void the warranty of the DarkBox Programmer V3.

Fixture DMX Profile Reference

Fixture DMX profiles define channel count, channel functions, and value ranges. Refer to the DMX profile tables provided in this section and to individual fixture datasheets for complete details.

Fixture Name	Number of DMX Channels Used	Channel Mapping	
		Channel	Function
Gantom One DMX		1	Intensity (0-255)
Gantom Juni DMX			
Precision Z DMX	1		

Fixture Name	Number of DMX Channels Used	Channel Mapping	
		Channel	Function
Gantom DMX V2 DW		1	Cool White Intensity (0-255)
Gantom R4 DW		2	Warm White Intensity (0-255)
	2		

Fixture Name	Number of DMX Channels Used	Channel Mapping	
		Channel	Function
Gantom iQx		1	Intensity (0-255)
		2	Special Effects Speed (0-255)
	3	3	Special Effects Selection (0 =off)

Fixture Name	Number of DMX Channels Used	Channel Mapping	
		Channel	Function
Gantom DMX V2 RGBW		1	Red Intensity (0-255)
Gantom One Up		2	Green Intinsity (0-255)
Gantom R4 RGBW	4	3	Blue Intensity (0-255)
		4	Cool White Intensity (0-255)

Fixture Name	Number of DMX Channels Used	Channel Mapping	
		Channel	Function
Gantom 7		1	Master Intensity (0-255)
		2	Red Intensity (0-255)
		3	Green Intensity (0-255)
		4	Blue Intensity (0-255)
	8 (default)	5	Amber Intensity (0-255)
		6	Cool White Intensity (0-255)
		7	Lime Intensity (0-255)
		8	Ultraviolet Intensity (0-255)