

DLC50

Downlink Control Panel



DLC50



DLC50-M All Weather

> Applications

- Airborne Law Enforcement
- Surveillance Aircraft
- Airborne ENG
- Signal Relay
- Land or Sea Vehicles

> Benefits

- Universal control for all BMS digital systems
- 1.5 inches of panel space
- Single control for airborne relay (transmit and receive)
- Data port allows access to system settings
- Mount compliant to MS25212C
- Operates with Cockpit Dimming Circuit

> Options

- Optional NVG model
- Optional antenna actuator/control model
- 12 VDC "All Weather" model

> Features

The new Downlink Control Panel is designed to give the aircraft operator full control of any BMS digital microwave system. The DLC50 universally controls either the Heli-Coder II (HCII) or the new Heli-Coder III. As a replacement for the HCP-50 Series, the DLC50 occupies the same 1.5" of vertical space and easily retrofits into HCII systems using a short accessory adapter cable (DLC-JMPR). The new, bright OLED display is visible even when using polarized glasses. Twenty presets and three definable "hot keys" make operation a breeze.

As the control center for BMS Heli-Coders, the DLC50 offers flexibility not available until now. The panel offers two levels of control. The top or simple level is for normal operation, providing a limited, definable, control set that simplifies day to day operations. A second level allows complete configuration and adjustment of transmit or relay (transmit/receive) downlink functions.

The usual controls are still there such as preset select*, channel select*, and transmit off/on. But now other useful controls such as encryption on/off/key change, receiver control, filter and external relay control are all immediately available. Channel and frequency plans can be quickly loaded through the front panel USB 2.0 port*.

The DLC50 comes in four models that include a version with the TAA-101 antenna up/down switch, and a night vision (NVIS) version that is compatible with a NVIS-B cockpit (MIL-STD-3009 Class B). See the ordering information for details.

* Functions are transmitter or receiver dependent.

> DLC50 Downlink Control Panel

The DLC50-M All Weather model is designed for vehicle operation. A variety of control cables are available to control most BMS digital devices. This model features a splash resistant front panel and O-ring seal, perfect for vehicle and open cockpit boat applications.

The DLC50-M can be programmed to operate most BMS digital transmitters and receivers. (Order control cable separately.)



DLC50-M All Weather model

Partial list of functions*:

- Recall Preset
- Select Robustness Mode (HCII)
- Encryption type select
- Encryption PIN set
- Encryption on/off
- USB flash functions for software upgrade or channel plans
- External relay control (up to four relay triggers, manual or automatic)
- Channel Select
- Frequency Set
- Soft Key Setup
- Display brightness
- Switch control from primary to secondary panels
- Switch between transmitter or receiver control

* Functions are transmitter or receiver dependent.

> Ordering Information

DLC50	Basic Panel
DLC50-N	NVIS-B option
DLC50-A	Antenna Control option
DLC50-AN	NVIS-B & Antenna Control options
DLC-JMPR	Adaptor Cable for Retrofit

DLC50-M	All Weather, 12 VDC Panel
Control Cable	(Specify cable according to length and device to be controlled at time of order.)

> Specifications

Size (DLC50)	1.5" x 5.75" x 4.40" D (3.84 x 14.61 x 11.18 cm)
Size (DLC50-M)	Front: 6" W x 1.75" H (15.24 x 4.45 cm) Box: 1.5" x 5.75" x 4.40" D (3.84 x 14.61 x 11.18 cm)
Weight	14.6 oz (0.42 kg)
Weight (DLC50-M)	16 oz (0.46 kg)
Power	28 VDC, 100 mA, (< 1 A when using actuator)
Power (DLC50-M)	11-16 VDC, 200 mA
Panel Fasteners	DZUS (x2) Alternate mounting available
Panel Mounting (DLC50-M)	Four stainless steel bolts supplied with backing panel and weather gasket
Actuator Limit Lights (-A option)	Yes: Green=Up, Yellow=Down *
Panel Illumination	Yes * Slaves to cockpit dimming circuit if desired
* NVIS option: All LEDs NVIS Green-B	