

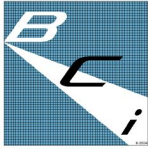
The Pocket Console DMX™

Wireless Bestboy 2



The Pocket Console DMX™ Bestboy 2

Transmitter - CRMX™ by Lumen Radio

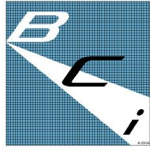


The Pocket Console DMX™ Receiver

CRMX™ by Lumen Radio

Table of Contents

- Introduction**
- Disclaimer**
- Provision of Power**
- Technical Support**
- Turning on the unit(s)**
- Pairing**
- Unpairing**
- Special Features**
- Specifications**
- Warranty**



Introduction

Congratulations and thank you for purchasing The Pocket Console DMX™ Bestboy 2 CRMX™ Console/Transmitter &/or CRMX™ Receiver(s) with Playback-8 firmware from BCI! We hope you find these devices to be essential DMX-512 tools and easy to use. We designed the Wireless Bestboy 2 to fulfill the most basic need for simple, uncluttered and direct wireless control of remotely located DMX-512 products and for when hard-wired control of these devices is not an option.

Disclaimer

While BCI has great faith in our products, wireless DMX-512 is not recommended to ever be used in “mission-critical/failsafe” applications, particularly where personal safety is reliant on the unfettered delivery of DMX-512 data, nor as a universal replacement for secure, hard-wired DMX-512 control. The sure control and safe execution of DMX-512 controlled devices should always be the primary concern, over the concealment or elimination of data cables.

Provision of Power

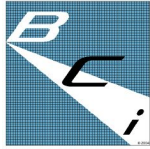
The Wireless Bestboy CRMX™ transmitter/receiver pair is designed for wireless communication of the “ANSI E1.11 - DMX512-A” protocol over a radio link between the two. The transmitter and receiver can both operate using the included wall wart power supply or using a 9 volt battery or any combination of the two. Please Note: To ensure maximum usable time when on battery operation, we recommend Lithium batteries for the receivers and alkaline for the transmitter. Batteries should also be changed daily under heavy use. You have a single DMX transmitter but can have multiple receivers to allow DMX-512 to be delivered wherever you want it without wires.

The DMX protocol is for the control of non-life threatening devices. It should not be used for pyrotechnics or anywhere that the loss of or false control signal will put anyone in harm’s way of any kind.

Technical Support

For help with your new Bestboy 2 wireless units please visit www.thepocketconsole.com

Or email: baxter@baxtercontrols.com or Call BCI at 512-858-5058



Turning on the Unit(s)

Place the Bestboy 2 Console/Transmitter in front of you and connect either a 9 volt battery or its wall wart power supply to provide power to the unit(s). You can patch the unit either before or after “pairing” the transmitter with a receiver. Place the Receiver(s) close to the Bestboy 2 Console/Transmitter. Turn the ON/OFF switch on the Bestboy 2 Console/Transmitter to the ON position. Turn the rocker switch on the Bestboy Receiver to the ON position.

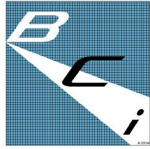
Pairing

To pair the Bestboy Pocket Console/Transmitter to a receiver, the receiver unit must be cleared of any previous pairing. This is done by holding the SELECT button down on the receiver for more than 3 seconds. This will clear the receiver of any previous connections to a transmitter. NOTE: Holding the SELECT button down during power up will put the unit in a mode for upgrading software. Since we are NOT upgrading software, we will want to repower the unit without the SELECT button being pushed. All LEDs on the receiver will extinguish indicating that it is **unpaired** and ready to accept a new transmitter. Momentarily (.1 > 1 second) press the SELECT Switch on the Bestboy Pocket Console/Transmitter. The Signal and Link lights will come on and the yellow Status light should flash. After a second or two the yellow and green signal lights will come on and the DMX and RF lights should illuminate while the Status light should stop flashing and stay on solid. If these lights do not come on, then check the batteries and wall wart power supplies for correct installation. Your Pocket Console Bestboy transmitter and receiver pair is now ready for use. The Pairing should generally maintain even through power interruptions.

Please follow the enclosed Playback 8 instructions for controlling the Bestboy 2 Pocket Console DMX™.

Unpairing

To unpair the transmitter to receiver connection: Hold down for more than 3 seconds the SELECT button on the **Receiver** you wish to disconnect. To disconnect any receiver(s): hold down the SELECT button on the **Transmitter** for > 3 seconds.



Status LEDs

The status LEDs function as follows:

Signal Strength – The 5 Leftmost LEDs starting at the bottom. On the receiver only.

Red – No Signal

Amber – Above 20% Signal Strength

Lowest Green LED – Above 40% Signal Strength

Middle Green LED – Above 60% Signal Strength

Top Green LED – Above 80% Signal Strength

Status – The bottom, right hand LED. On both the receiver and transmitter.

Transmitter – Steady ON - DMX present, ready to transmit or paired and transmitting.

Flashing - ready to pair with a receiver.

Receiver – Off, not paired. Flashing, in the process of pairing with a transmitter.

Link – Receiver Only ON, paired with a transmitter. OFF, ready to be linked with a transmitter.

FR – Transmitter OFF, not paired with any receivers. ON, paired to a receiver.

Receiver OFF, not paired to a transmitter. ON, paired to a receiver.

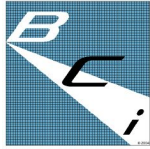
DMX – Transmitter ON DMX present. OFF DMX not present.

Receiver ON DMX present. OFF DMX not present.

Special Features

Antenna Switch:

There is a PC board mounted antenna on the transmitter and receiver boards located inside the Bestboy Transmitter. The switch is set for using the external antenna by default for a greater range. This switch (S-1) can be set to “internal” to use the PC mounted antenna or “external” to use the external antenna.



Specifications

Supply Current	240mA
Temperature Range	-40 to +75 C
Broadcast Frequency	2.4 GHz
Operating Range	2402 to 2480 MHz (Frequency Hopping)
Receiver Sensitivity	-93 dBm
Transmitter Output Power	10 – 24 dBm
Compliance	ETSI EN 300 328 (v1.8.1)
Transmitter/Receiver	TiMo CRMX™ by Lumen Radio
Output Power	300mW max
RDM	RDM is not supported.
Size	Transmitter – H2.6” L6.9” W7.45” Receiver – H2.15” L4.5” W6.25”
Weight	Transmitter (with accessories*) - 1lb, 9oz Receiver – (with accessories*) – 13.3oz

*accessories include 9V battery, Wall Warts and antenna

Warranty

Fully guaranteed for 90 Days from date of delivery. Please return ASAP after you have any problems, and we will take care of it. Dead or leaking batteries, abnormal wear and tear, abuse, or "Pepsi Syndrome" are not covered under this warranty. Software crashes and faulty hardware are.