Datasheet

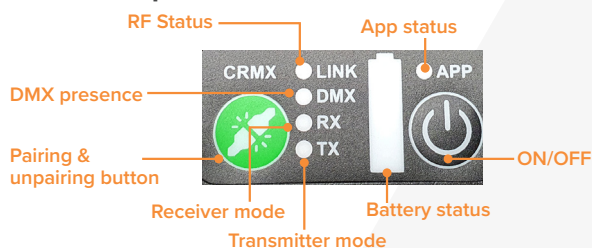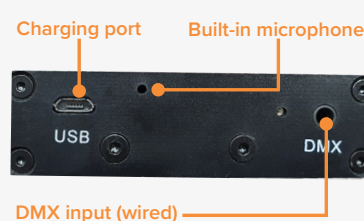# ASTERA | BOX

The AsteraBox is the interface between lights and controller. It can be used as a wireless DMX transceiver with CRMX technology and also works as an interface between the AsteraApp and lights. Its built-in battery enables an easy and time-saving setup, just like with all of Astera's products.

Top view

- RF Status
- App status
- DMX presence
- Pairing & unpairing button
- Receiver mode
- Transmitter mode
- Battery status
- ON/OFF

CRMX — LINK, DMX, RX, TX — APP

Bottom view

- Charging port
- Built-in microphone
- DMX input (wired)

USB — DMX

THE ASTERA SYSTEM

Set up Lights
Set up your lights conveniently from a distance. Adjust DMX settings on one or several lights and do a master reset.

Monitor Lights
Check your lights while operating them. View battery status, settings and targeted lights.

Control Lights
Send effects and colors to your lights. Choose which lights you want to target. Save programs for quick launch later.
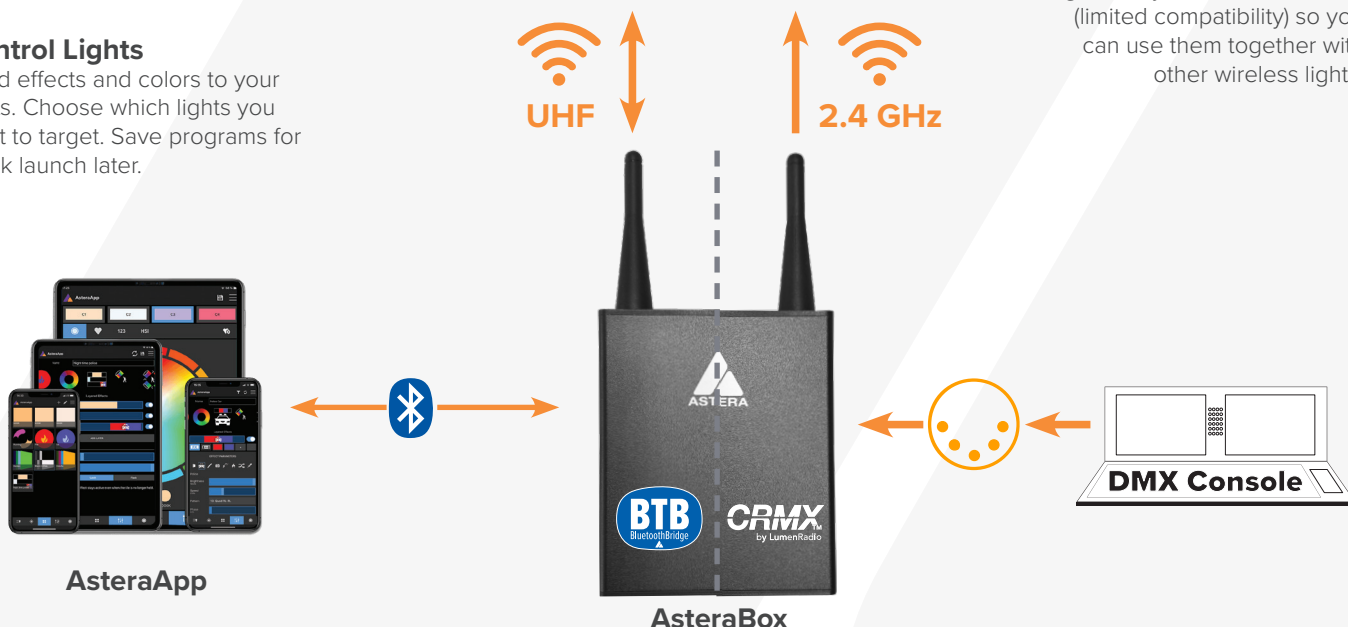
Wireless DMX
The AsteraBox works as a wireless DMX transmitter with CRMX technology, just connect it with the included XLR adapter.

Compatible
Astera Lights can be controlled together by CRMX and W-DMX (limited compatibility) so you can use them together with other wireless lights.
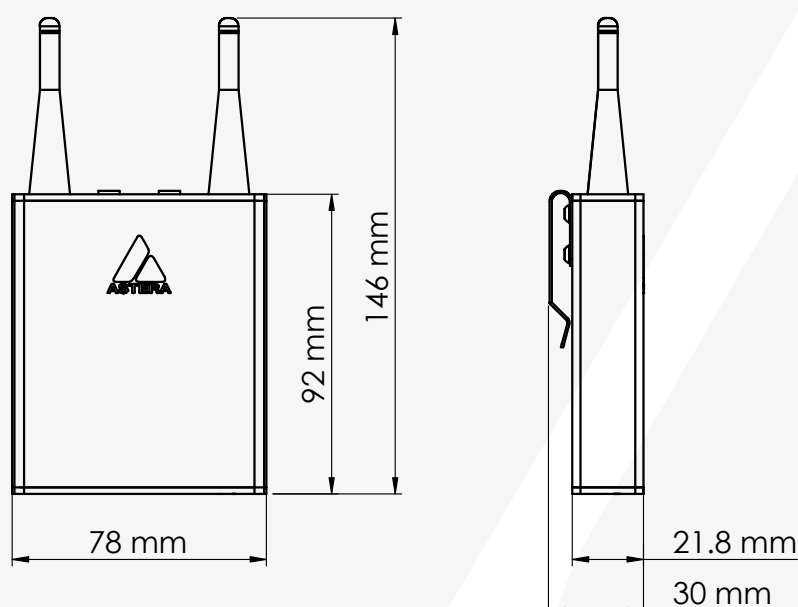
UHF

2.4 GHz

AsteraApp

BTB BluetoothBridge   CRMX by LumenRadio

AsteraBox

DMX Console

SPECIFICATIONS

Order Code	ART7-U
DC Input	5 VDC - 2 A
Battery Voltage	3.7 V
Battery Runtime	72 h (App), 8-10 h (CRMX)
Charging Time (nominal)	8 hours
Ports	Micro-USB for charging, 3.5 mm jack for DMX Input
DC Connector	Micro-USB
BluetoothBridge BTB	Built-in
Bluetooth Classic	Yes
Wireless Protocols	UHF, CRMX, Bluetooth 4.0
Wireless Range	CRMX: up to 300 m / 328 yds UHF: up to 300 m / 328 yds Bluetooth: up to 3 m / 3.3 yds
Microphone	Built-in
Housing Material	Aluminium
IP Rating	IP20
Ambient Operating Temperature	0 - 40 °C / 32 - 104 °F
Weight	0.23 kg / 0.51 lbs
Dimensions (L x W x D)	146 mm x 78 mm x 30 mm / 5.7" x 3.1" x 1.2"
Mounting Options	Belt Clip

RF CHARACTERISTICS

Wireless Modules	EU: UHF (863-870MHz)	USA: UHF (917-922.20MHz)	AUS: UHF (922.30-927.50MHz)	SGP: UHF (920.50-924.50MHz)	KOR: UHF (917.9-921.5MHz)
Modulation	FHSS	FHSS	FHSS	FHSS	FHSS
ERP (Transmitter)	<25mW	<25mW	<25mW	<25mW	<25mW
Channel Count	47	53	53	41	10

Wireless Modules	RUS: UHF (868.75-869.12MHz)	JPN: UHF (922.80-926.40MHz)	CRMX (2402-2480MHz)	Bluetooth 4.1 (2402-2480MHz)	
Modulation	FHSS	FHSS	FHSS	FHSS	
ERP (Transmitter)	<25mW	<25mW	<100mW	2mW (classic)	2mW (BLE)
Channel Count	6	19	79	79	40

DRAWING

92 mm

146 mm

78 mm

21.8 mm

30 mm

ACCESSORIES

Carrying Case
ART7-CSE

included

Power Supply
ART7-CHR

included

DMX Adapter
ART7-DMXA

included

300mm (+/-5mm)

Ø4.5mm

3.5mm phone jack	Function	5-Pin XLR
Sleeve -------	GND ------------	1
Ring ----------	DMX+ ----------	3
Tip ------------	DMX- ----------	2