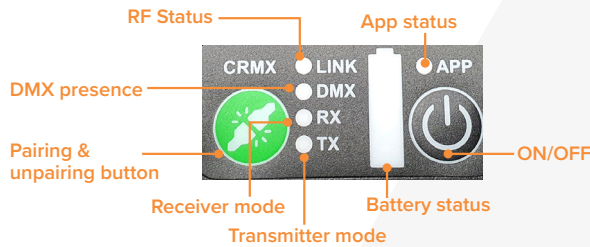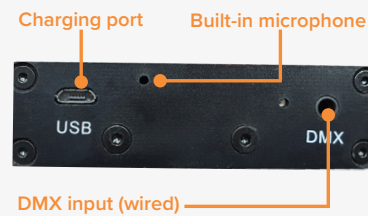# Datasheet

ASTERA BOX WIFI

AsteraBox is the interface between lights and controller. It can be used as a wireless DMX transceiver with CRMX technology and also works as 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
- DMX presence
- Pairing & unpairing button
- Receiver mode
- Transmitter mode
- App status
- ON/OFF
- Battery status

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 out of the distance. Adjust DMX settings on one or several lights. After your job, do a master reset

Monitor Lights
Check your lights while operating them. View battery status, settings, targeted lights and get informed if a light is being moved.

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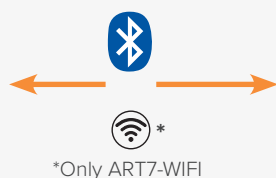
Wireless DMX
The AsteraBox works as a wireless DMX transmitter with CRMX technology, just connect it with the included XLR adapter.

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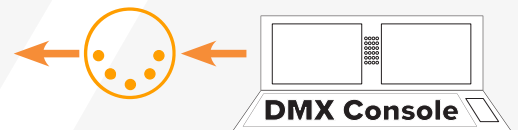Astera Lights can be controlled together by CRMX and W-DMX (limited compatibility) so you can use them together with other wireless lights.

UHF   2.4 GHz

*Only ART7-WIFI

AsteraApp

BTB BluetoothBridge   CRMX by LumenRadio

AsteraBox

DMX Console

SPECIFICATIONS

Order Code	ART7-WIFI
DC Input	5 VDC - 2 A
Battery Voltage	3.7 V
Battery Runtime	60 h (App), 18 h (CRMX)
Charging Time (nominal)	12 hours
Ports	Micro-USB for charging, 3.5 mm jack for DMX Input
DC Connector	Micro-USB
BluetoothBridge BTB	Built-in
Bluetooth Classic	No
Wireless Protocols	UHF, CRMX, Bluetooth*, Wifi
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

*Minimum requirement for Astera App device: Bluetooth 4.2
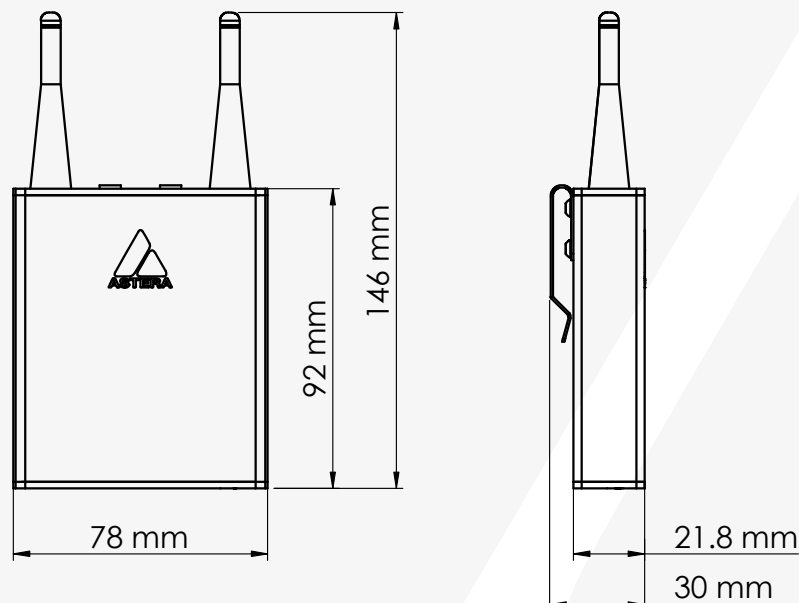
RF CHARACTERISTICS

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 5.0 LE (2402-2480MHz)	WiFi (2412-2472MHz)
Modulation	FHSS	FHSS	FHSS	FHSS	DSSS, OFDM
ERP (Transmitter)	<25mW	<25mW	<100mW	10mW (BLE)	<100mW
Channel Count	6	19	79	40	13

***General allocation of frequencies for use by short-range radio applications

DRAWING

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