



- For electrical reasons, do not connect more than 10 Broadcasters in daisy-chain.
- All the Broadcasters on the same line must be connected to one dedicated DMX line in order to respect our frame rate of 15 fps.
- We recommend putting a 120 Ohm DMX terminator on the DMX out of the last Broadcaster in the line.
- If using antenna cable extenders, use cables with impedance of 50 Ohm only.
- Replace fuse with rating of 250V, 4A or 5A only.

4. Broadcaster menu



Broadcaster start screen

When powering up, the Broadcaster will display the relevant version information. For example here, we have :

- Revision 1.6.1
- Release date



Broadcaster interface

On the right side of the control display are four control buttons. Next to the control buttons are four LED status indicators. The LED status indicators blink whenever the Broadcaster has incoming DMX, outgoing RF or Ethernet communication. There is also a LED indicator for power.

Note that the blinking speed of the green DMX LED depends on the frame rate of the DMX signal received. For example, when the incoming DMX has a speed of 30 fps, the blinking is fast. If the incoming DMX is at a speed of 15 fps, the blinking is slower.



Slowing down DMX speed

The speed of incoming DMX is automatically shown on the right side of the control display, whenever the Broadcaster is receiving DMX. To slow down the speed of the DMX, press DOWN to select the “BRO Out” line and then press ENTER. Use UP and DOWN to properly set up the speed of outgoing DMX you need.

- The maximum DMX OUT speed is 20 fps.
- Once the proper speed is set, press ENTER to save changes.

Note that you can also turn off the outgoing DMX by setting the outgoing fps to zero.



Setting up DMX address

To set up a DMX address, put the cursor on the “Address” line, press ENTER and set the address using UP and DOWN. Once the proper address is set, press ENTER to save the changes.

5. Troubleshooting



Once the Broadcaster is properly connected and receiving DMX data in PixMob format, you should see the three (red, green and blue) LED status indicator illuminate at the front of the Broadcaster.

1. Solid red (POWER): Broadcaster is powered ON.
2. Blinking green (DMX): receiving DMX.
3. Solid blue (RF): transmitting PixMob Bluetooth signal.

To make sure the Broadcaster is properly sending Bluetooth signals, you can use an application on your phone that is called Bluetooth LE Scanner (available in iOS and Android). When scanning for a Bluetooth signal, the Broadcaster will appear in the list as BRO.

6. Characteristics

Input protocol	DMX
Output protocol	PIXMOB
Frequency	2.4 GHz
Maximum range	up to 100 meters
Voltage input	85 - 240 VAC
AC current	0.2A / 115 VAC 0.1A / 230 VAC
Working temp	0°C to 60°C
Working humidity	20% to 75% RH non-condensing
Protection rating	IP50
Body dimension	22.2 cm x 21 cm x 8.7 cm
Weight	3.2 kg
Rack mount height	2U



TECHNICAL SUPPORT

If you need further support, our professional team is always at the other end of the line.
Do not hesitate to get in touch!

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PIXMOB

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