

# Radio module eXtra Long Range (XLR)

Includes:

- 1 eXtra Long Range radio module

**This product comes without antenna, remember to add our [dipole antenna](#) or [vehicle mount](#) antenna to the cart.**



More info about the product!



Radio module eXtra Long Range (XLR) has several different configurations to provide you with flexibility:

SKU	Variation Name
AS-XBEE-XLR-NA-SMA-01	North America
AS-XBEE-XLR-AU-SMA-01	Australia

Get a discounted bulk price on this product for orders of 50 units or more. Contact us at [info@ardusimple.com](mailto:info@ardusimple.com) to get a quote.

## Description

The eXtra Long Range version of our Radio Module. Based on Digi XBee PRO SX series, but on through hole format and with SMA connector. With a configuration optimized for sending RTK corrections over the air.

With this radio module you will be able to send RTK corrections [between 50 and 60 km](#) in both point-to-point and point-to-multipoint configurations. This distance will depend on the region of use, subject to local regulations.

Good to know:

- Compatible with all ArduSimple products, except simpleRTK2B Budget and simpleRTK2B Lite.
- The radio is sent pre-configured at 115'200bps and will connect automatically to other XLR/LR radios from the same region.
- If you have an LR kit already, just remove the LR radios, plug the XLR radios, and you are good to go!
- The radio is sent pre-configured at 100mW output power. Can be increased by user to 500mW, and up to 1W if mounted on a suitable XBee socket. [Contact us](#) if you have questions.
- The radio comes without antenna, remember to add our dipole antenna or vehicle mount antenna to the cart.

## Image Gallery



## Pinout

TOP VIEW



Description	Name	#	#	Name	Description
3.0-3.6V with up to 1A peak	<b>VCC</b>	1	20	RES20	Reserved, do not connect
Data out VCC level	TX	2	19	RES19	Reserved, do not connect
Data in VCC level	RX	3	18	RES18	Reserved, do not connect
Reserved, do not connect	RES4	4	17	RES17	Reserved, do not connect
Reserved, do not connect	RES5	5	16	RES16	Reserved, do not connect
Reserved, do not connect	RES6	6	15	RES15	Reserved, do not connect
Reserved, do not connect	RES7	7	14	RES14	Reserved, do not connect
Reserved, do not connect	RES8	8	13	RES13	Reserved, do not connect
Reserved, do not connect	RES9	9	12	RES12	Reserved, do not connect
Must connect to GND	<b>GND</b>	10	11	RES11	Reserved, do not connect

Radio module eXtra Long Range (XLR) includes free basic technical support. Contact [info@ardusimple.com](mailto:info@ardusimple.com) for more information.

Data and descriptions in this document are subject to change without notice. Product photos and pictures are for illustration purposes only and may differ from the real product appearance.