

# ZBRA2

External antenna for harmony Hub ZBRN1 and ZBRN2, Harmony XB5R, 2m cable, 1 radio frequency connector



## Main

Range of product	Harmony XB5R
Product or component type	Wireless and batteryless range
Device short name	ZBRA
Product destination	Wireless access point
Colour of base of enclosure	Black (RAL 9011)

## Complementary

Communication port protocol	Zigbee green power at 2.4 GHz conforming to IEEE 802.15.4
Kit composition	Antenna with cable 2 m
Input impedance	50 Ohm
Connector type	MCX female
Antenna gain	3 dBi at 83...100 Hz
Maximum sensing distance	100 m access point in free field
Net weight	0.04 kg

## Environment

Relative humidity	90 % at -20...55 °C, without condensation conforming to ETSI EN 300 440-1
Electrical shock protection class	Class II conforming to IEC 61140

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.0 cm
Package 1 Width	10.0 cm
Package 1 Length	22.0 cm
Package 1 Weight	54.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	50
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.036 kg

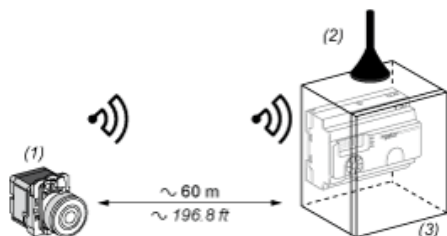
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## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Clearances

Maximum Distance between Transmitter and the Access Point in a Metal Enclosure with an External Antenna



- (1) Transmitter
- (2) External Antenna
- (3) Access Point in a Metal enclosure

The range is reduced if the transmitter is placed in a metal enclosure (reduction factor : approx 10%)

Glass window	10...20 %
Plaster wall	30...45 %
Brick wall	60 %
Concrete wall	70...80 %
Metal structure	50...100 %