



Wireless

data sheet

# WRB100

SIGNAL REPEATER UNIT



## WHAT IS IT ?

The WRB100 is a flexible signal repeater for use with either wireless only or combined wired and wireless Rako systems.

Typically located centrally between push button wall plates and dimmer receivers.

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## EXTEND CONTROL

Used as a wireless repeater the WRB100 receives and repeats Rako wireless messages thus increasing the range of transmitters. Typically located between transmitters and repeaters the unit will repeat all messages from the same Rako 'House' address.

Usually used as a single repeater to avoid messages creating a locked loop it is possible to configure WRB100 units to repeat messages from other WRB100 units. Consult Rako's technical team for more information.

When used in a combined wired and wireless system the WRB100 forms a link between the two networks, repeating all messages both wired and wireless allowing a wired system to respond to wireless commands and equally control wireless devices.

## Wired Spine Operation

When used to form a wired spine two or more WRB100 modules can be used to create a simple wired backbone system where no other wired devices are used but allowing a wireless message to be received by one WRB100, be transmitted down a data cable and be re-transmitted by another WRB100(s). This method can provide a simple and effective yet reliable means of extending a wireless system.



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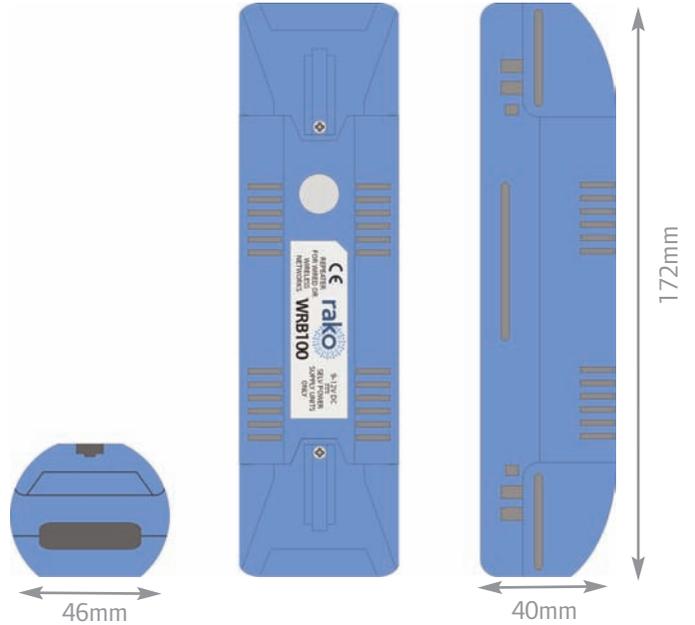
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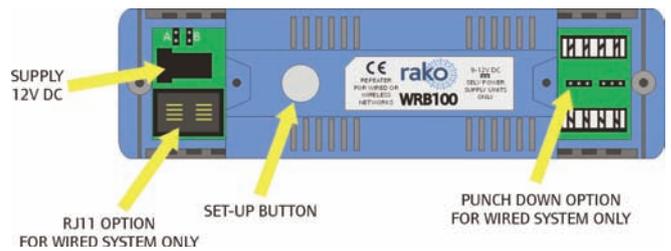
## technical data

dimensions	172x46x40mm
input supply	12V DC Power supply included
weight	175g
housing	UL V0 material
climate range	Temperature +2C to +40C Humidity +5% to 95% non condensing
connections	Wireless - jack plug for 12V DC Wired - RJ11 socket or punchdown connector
terminal sizes	N/A
standards	Emissions - EN61000-6-3 : 2007 Immunity - EN61000-6-1 : 2007 LVD - EN 60950-1 :2006
communication	Rakom coded fm radio, 433.9MHz
memory	Flash memory (non volatile)

## mechanical data



## connection details



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