

## LORAWAN REPEATER ACW/LW8-EXT

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### Functions :

- ⇒ Repeats all LoRaWAN devices situate in places where the network coverage is unfavourable like underground car parks or underground boiler-rooms
- ⇒ Repeat uplinks messages and downlinks messages to and from the network using Orange infrastructure

### Advantages :

- ⇒ Full compatible with all LoRaWAN devices
- ⇒ L'ACW-EXT operates seamlessly between the network and the product to be repeated
- ⇒ Thanks to a dedicated application, the devices can be manage (addition, deletion, informations)
- ⇒ Easy and quickly installation : connect the power supply and configure the products to be repeated. They will be repeated after a join phase with the Extender



### References :

- ⇒ 220V power : ACW/LW8-EXT-PWR
- ⇒ Solar panel power : ACW/LW8-EXT-SLR



Technical features	
Dimensions	177 x 55 x 55 mm
Weight	210g
Waterproof casing	IP 65
Mounting	Wall, Mast, DIN Rail
Antenna	Included (1/4 wave)
Operating temperature	-20°C / +55°C
Storage temperature	- 40°C / +70°C
Power supply	
ACW/LW8-EXT-PWR	220 V
Consumption	Tx : 50mA at 3.3V / Rx : 20mA at 3.3V

Radio features in repeater mode	
<b>End device interface - Uplink messages</b>	
Frequency	LoRaWAN Channel 2 – 868.3MHz
Sensitivity	-140 dBm
Speed	SF12
<b>End device interface - Downlink messages</b>	
Frequency	869.525 MHz
RF Power	25 mW (14 dBm)
Speed	SF12
<b>Network interface - Uplink message</b>	
Frequency	863 – 870 MHz
RF Power	25 mW (14 dBm)
Speed	SF9 to SF7
<b>Network interface - Downlink messages</b>	
Frequency	863 – 870 MHz (Rx1) / 869.525 (Rx2)
Sensitivity	Max : -140 dBm
Speed	SF9 to SF7 (Rx1) / SF12 (Rx2)

Radio features in management and configuration mode	
<b>Network interface - Uplink messages</b>	
Frequency	863 – 870 MHz
RF Power	25 mW (14 dBm)
Speed	SF9 to SF7
<b>Network interface - Downlink messages</b>	
Frequency	863 – 870 MHz
Sensitivity	Max : -140 dBm
Speed	SF9 to SF7 (Rx1) / SF12 (Rx2)



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