www.tellmewi.com

SUPERLOOK 4T WIRELESS

Quad Technology Detector with Video Surveillance

- Two Synchronised PIR Sensors
- Microwave Sensor
- Four Active IR Anti-Mask Sensors
- Shock Sensor

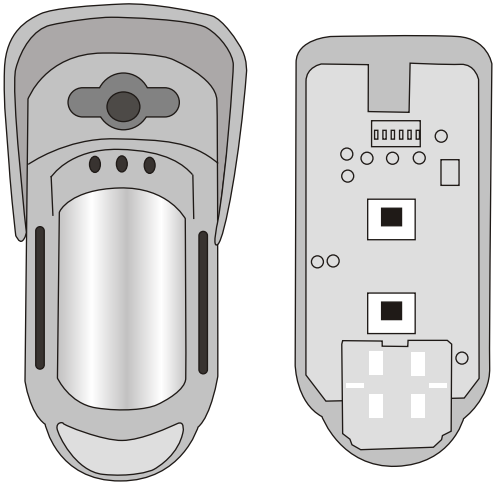
Item 2504

Instruction Manual

The box includes

- ☐ Wireless Detector
- ☐ RL300 Lens
- ☐ RL300F Lens
- ☐ RL300LR Lens
- ☐ RL300B Lens
- ☐ Mounting Brackets

Instruction Manual



Tell Me Wi SUPERLOOK 4T WIRELESS is a completely wireless detector with top detecting performance.

- High reliability
- High detection capability
- Low false alarm
- Two synchronised passive infrared detectors
- Microwave Sensor
- Optics anti-masking with 4 active infrared sensors
- Anti-shocking sensor: detects shocks, vibrations and displacements
- Detection angle: from 5° or 90°
- Distance: from 0 to 15 or 23 m
- Ingress Protection Grade: IP54
- Vertical detection setting
- Dual Frequency Wireless transmission

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1. Technical Specifications

Technical specifications is subject to change without notice. The manufacturer is not responsible for any inadvertent errors.

Supply Voltage	
nominal	12.0 VDC
minimum	10.0 VDC
maximum	16.0 VDC
Power Consumption	
energy saving standby	200uA @ 12.0VDC
non-energy saving maximum	60mA @ 12.0VDC
Working temperature	-10 to 50 C
Heartbeat	once / 30 minutes
Installation height	1,5m ~ 2,4m
Pet Immunity	< 20Kg
White light immunity	> 15000 LUX
IR detection	2 Pir sensors
Antimask	4 active IR sensors
Tamper and Anti shock	Detection on cover opening, shocks, vibrations and displacements
Energy Saving Mode	Automatic at 5.0V
Low Battery Alert	< 5,0V
MW frequency	10.525 GHz
MW power	< 10mW
Housing protection	IP54
Dimensions	112x217x120 mm
Wireless Outputs	Burglar Alarm, Tamper/Masking, Low Battery, Supervision Heartbeat
Wired Outputs	Burglar Alarm, Tamper, Masking

Table 1

2. Knowing your detector

The detector consist of the following parts:

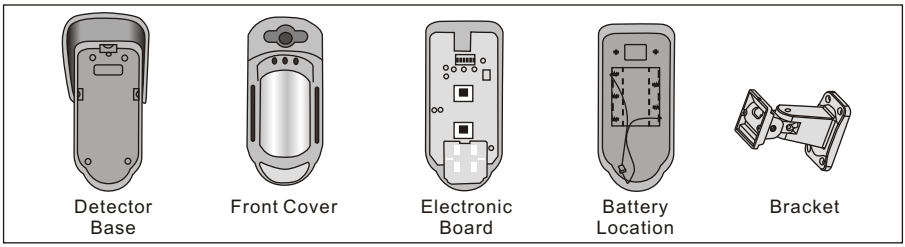


Figure 1

2.1 How to open the detector

Remove screw "1", slide the front cover towards the top and separate the detector from the base

Figure 2

Remove screw "2" and separate the front cover from the pcb housing.

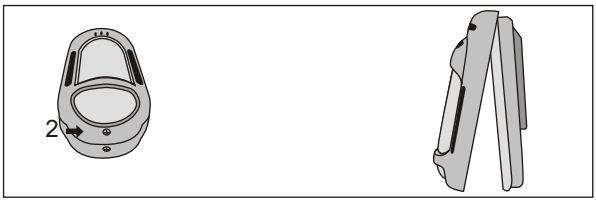


Figure 3

2.2 Wall Mounting

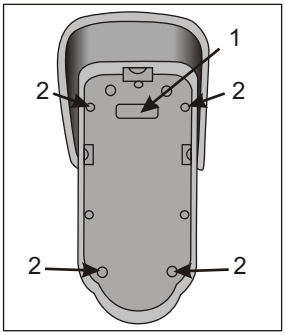
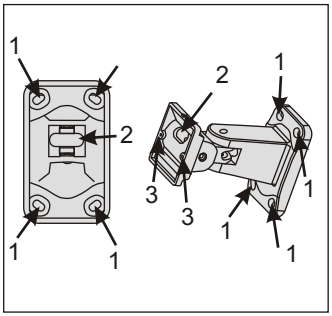


Figure 4

Inside the detector base, the drill hole indications for wall mounting has been printed:

1. Cable pass-through location indication
2. Wall mounting holes indications

2.3 Bracket

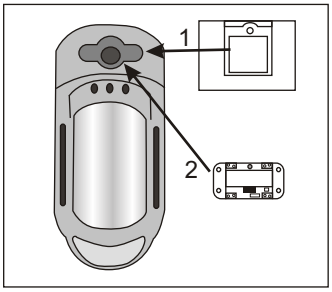


1- Camera cable passage.
2- Camera location, fix the camera with the screws once inserted.
3- Holes to fix the bracket onto the exterior of the detector base.

Figure 5

2.4 Camera Location

The detector has a cavity reserved for installing a camera.

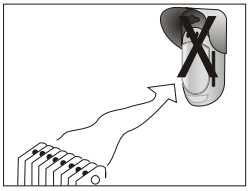


1- Camera cable passage
2- Camera location, fix the camera with the screws once inserted.
Attn: the Camera is an optional

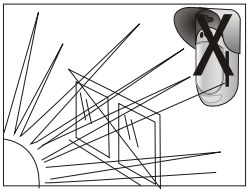
Figure 6

3. Mounting instruction

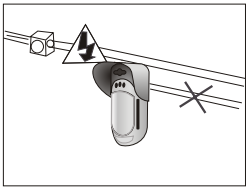
All the options this detector is provided with, practically no limits to installation location, only a few general rules to be followed.



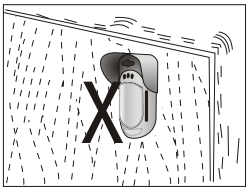
Do not position close to heating/cooling devices



Do not expose to direct sunlight

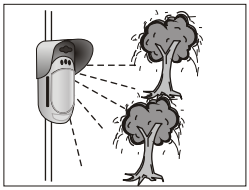


Do not install close to electric wires

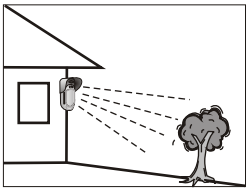


Do not install on moving surfaces

Do not positon it close to metal walls/covers



Avoid pointing the detector on moving objects, like trees, bushes etc. (in the case, try to get at least a 6 meters of distance from them)



Avoid positioning the detector towards planes with an inclination larger than 15°

Figure 7

warning: to avoid possible interferences between the microwaves we suggest to place the detectors at a 20 meter distance from each other.

3.1 Power Supply Methods

The detector can be powered in several ways:
- Completely wireless: it can operate with rechargeable batteries(*) or with a Solar Panel add-on (*) (**).
- Partially wireless: with a 12V DC adaptor (not included) (**).
- Wired: directly connected to a main unit (**).

(*) In the case of a completely wireless configuration or powered with rechargeable batteries only, attention must be paid to energy consumption. As more detection technologies are used, power consumption rises, and thus lowers the operation time of the battery. We suggest to select the Energy Saving option. In the case of solar panel or wired power configuration, under normal usage conditions, power consumption will not be a problem.
(**) Use AA type, 1,5 volts, 2600 mAh or higher RECHARGEABLE batteries ONLY. - **WARNING: we recommend the exclusive use of rechargeable batteries. The detector is provided with an automatic battery recharging feature. In the case of usage of normal non rechargeable batteries, there will be irreparably damaged and fire may be caused. The supplier will not respond and will not be deemed responsible for eventual damages, directly and/or indirectly caused to itself or third persons in consequence of the use of non rechargeable batteries.**

Independently from the power supply solution chosen, insert 5 AA rechargeable batteries in the battery location below the electronic board (see Fig.1 at page 5)

3.1.1 Rechargeable Battery Solution

The rechargeable battery is connected to the connector 3 at figure 8.
This battery can operate alone, but please remember to select the Energy Saving mode.
If other solutions are adopted, the battery will work as a back-up battery.

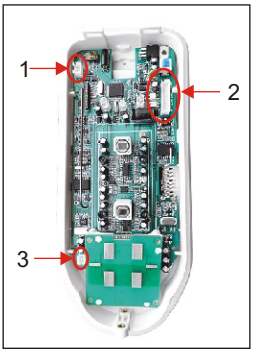


Figure 8

3.1.2 Solar Panel Solution

To keep all the detection functions with a completely wireless solution, it is enough to connect the Solar Panel (optional accessory)

Connect the power to connector 1 (Fig.8)

3.1.3 DC Power Solution

To correctly install the detector, drill the rectangular shape on the base and allow the cables in (Fig.4).

- Drive the cables through the internal guides up to the connectors 1 (Fig. 8)

3.1.4 DC Wire Connection to a Main Unit Solution

An additional possibility to use the detector is connecting DC wires to it from a main unit.
In this case, connect to connectors 2 with the following diagram:

1	2	3	4	5	6	7	8
+	-	Alarm		Anti-masking		Tamper	

Figure 9

3.2 Installing the bracket

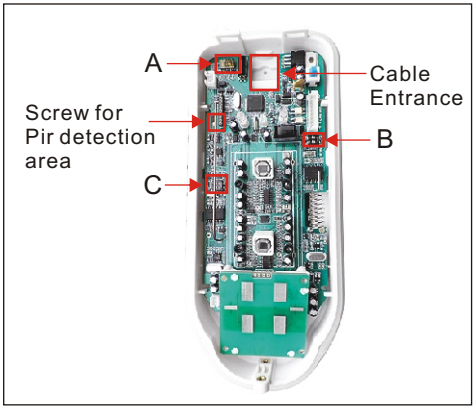
The detector can be directly flat mounted on a wall or with a bracket if necessary to tweak the angle of detection.

- Dismount the detector from the detector base.
- Drill the hole for the cable passage and the two holes for the bracket fixing on the detector base.
- Pass the cables through the bracket and extract them.
- Fix the bracket on the wall with 4 screws and fix the bracket to the detector with 2 screws.
- Make the connections.

4. Detector settings

SUPERLOOK 4T WIRELESS uses manifold detection technologies to obtain the highest security performance even in extremely difficult outdoor operative conditions.
It also provides the widest settings flexibility, allowing the user to tweak the configurations to suit different needs.

To proceed with the settings, remove the front cover to access the pcb.



Dipswitches A, B, C.
Cable Entrance
Screw for Pir detection area

Figure 10

4.1 DIPSWITCH switches

The detector is settable using the Dipswitches, there are 3 of them, one with 6 switches at the top left (A), and two with 2 switches positioned close to the center, one at the right (B) and the second at the left (C) of the pcb.

4.1.1 DIPSWITCH A
DIPSWITCH "A" is for setting some of the main features of the detector:

DIP	Function	ON	OFF
1	Alarm Logic	OR	AND
2	Intense Light Filter	Enabled	Disabled
3	Energy Saving	Disabled	Enabled
4	Alarm mode	Enabled	Disabled
5	Lenses type	Enabled	Disabled
6	Not Active	Not Active	Not Active

Table 2

DIP 1: Alarm logic AND/OR Selection (OR=ON; AND=OFF)

In the case AND Logic is selected, the alarm will be tripped only when BOTH PIR and Microwave technology detected the movement.
If selected the OR Logic, the alarm will be tripped when one single technology, PIR or MW (microwave), detects a movement.

DIP 2: Sudden Intense Lights Filter Selection (Enabled=ON; Disabled=OFF)
Sudden bright and intense lights, such as car headlights directly directed on the detector may trip the alarm. DIP2 enables a strong light filter to prevent this kind of false alarm events

DIP 3: Selects Normal Mode or Energy Saving Mode (Normal=ON; Energy Saving=OFF)
The detector has an Energy Saving function. It excludes Anti-Masking feature and the AND/OR detection logics are modified.
In Energy Saving Mode the OR logic is excluded, and the AND logic foresee that the Microwave sensor is activated after a first detection from the PIR sensor.
Choosing to power the detector solely with the rechargeable battery, we suggest to activate the Energy Saving function, so that the detector may have a battery life of 3 months.
If all features are activated, the battery will last in few days.
Independently from this selection, the detector automatically turns to the Energy Saving mode when the battery voltage drops to 5,0 volts.

DIP 4: Anti-mask Protection Selection (Enabled=ON; Disabled=OFF)
The Anti-mask feature is the most power consuming function. We are able to save some power by excluding it here. Activation possible only if DIP 3 is in Normal position.

DIP 5: Shock Sensor Selection (Enabled=ON; Disabled=OFF)
The detector is provided with a shock sensor, enabling with DIP 5.

DIP 6: NON ACTIVE switch

4.1.2 DIPSWITCH B and C
The detector is provided with two Dipswitches to control PIR sensitivity, B controls the upper, C controls the lower.

DIP1	DIP2	Sensitivity
ON	OFF	HIGH
OFF	ON	MEDIUM
OFF	OFF	LOW
ON	ON	SENSOR OFF

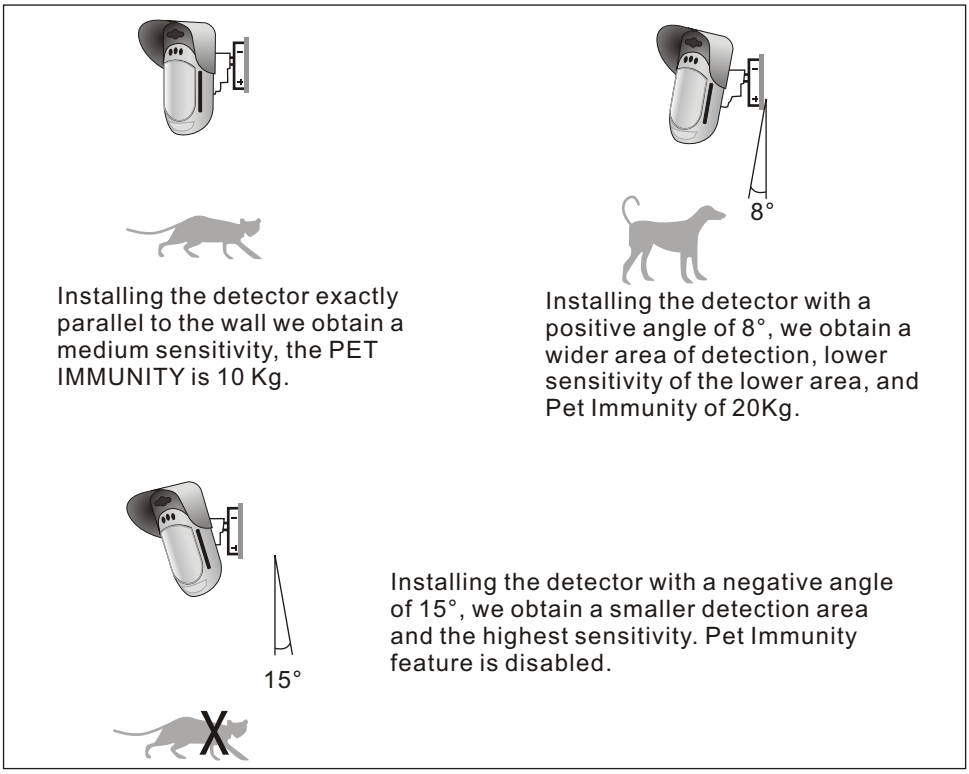
Table 3

4.2 Detecting range of the PIR sensors

To increase/reduce the detecting range of the PIR sensors, slide the mechanical switch on the electronic board to the top to reduce coverage and sliding it to the bottom to increase coverage.
Loosen the screw (fig.10) to slide the electronic board

4.3 Pet Immune Detection

The detector has a Pet Immunity feature that reduces false alarms caused by small animals (weight up to 20 Kg).
The Pet Immunity feature is explained in the examples below:



Installing the detector exactly parallel to the wall we obtain a medium sensitivity, the PET IMMUNITY is 10 Kg.

Installing the detector with a positive angle of 8°, we obtain a wider area of detection, lower sensitivity of the lower area, and Pet Immunity of 20Kg.

Installing the detector with a negative angle of 15°, we obtain a smaller detection area and the highest sensitivity. Pet Immunity feature is disabled.

Figure 11

5. Wireless receiver

The SUPERLOOK 4T WIRELESS detector transmits all information using two different frequencies and requires a receiver in order to be integrated with an alarm system.
The **Tell Me Wi** item 9405 Receiver is expressely developed with this scope. It manages up to 28 Detectors and drives via wires all the information to the main units.
The detector has a Supervision Heartbeat feature always activated. The receiver will alert that the detector is OFFLINE when no signal is received for 90 minutes consecutively.
Each detector will have to be registered on the receiver; press the Blue button shown at figure 12 to transmit its "identifying code" to the receiver.
For the additional registration steps on the receiver please refer to the instruction manual of the receiver.

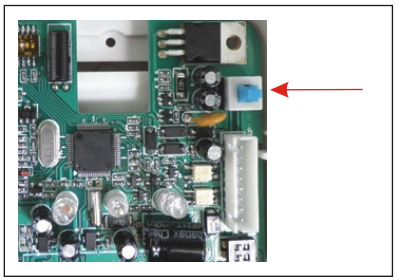


Figure 12

6. Lens Substitution

6.1 Detection Coverages

6.1.1 Wide Angle lenses

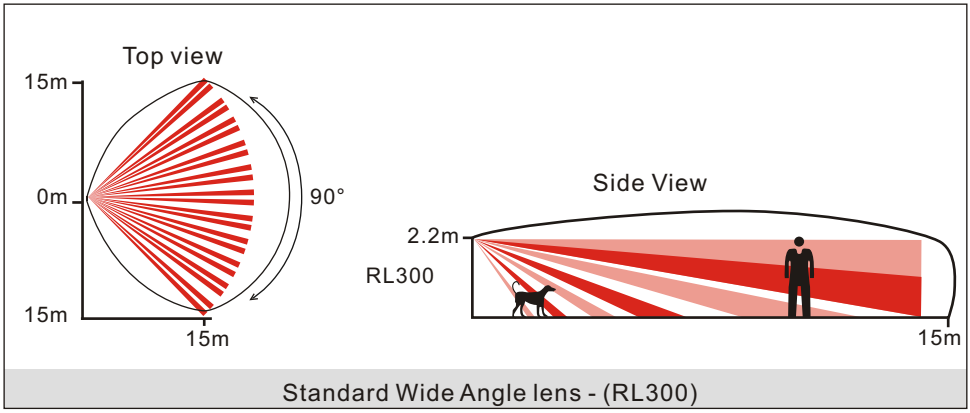


Figure 13

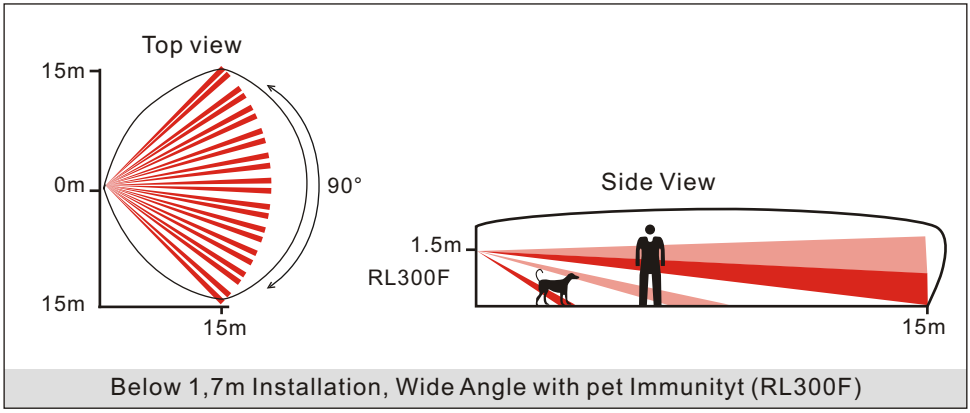
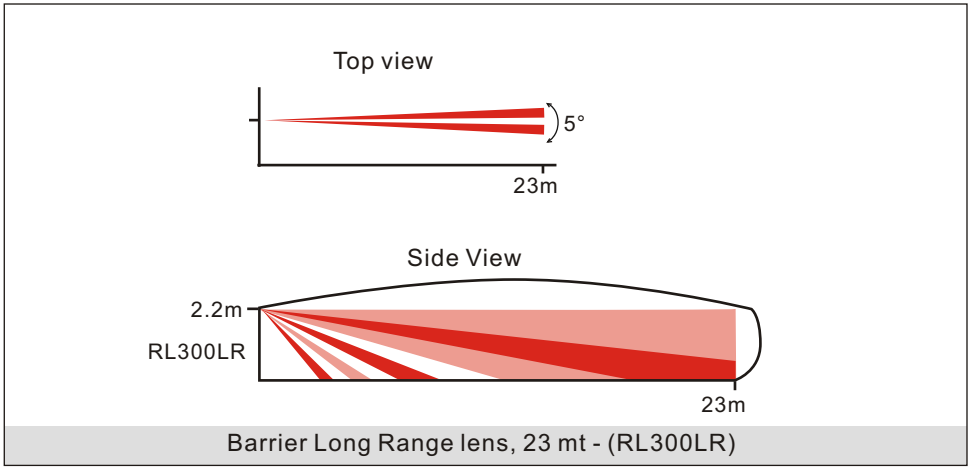


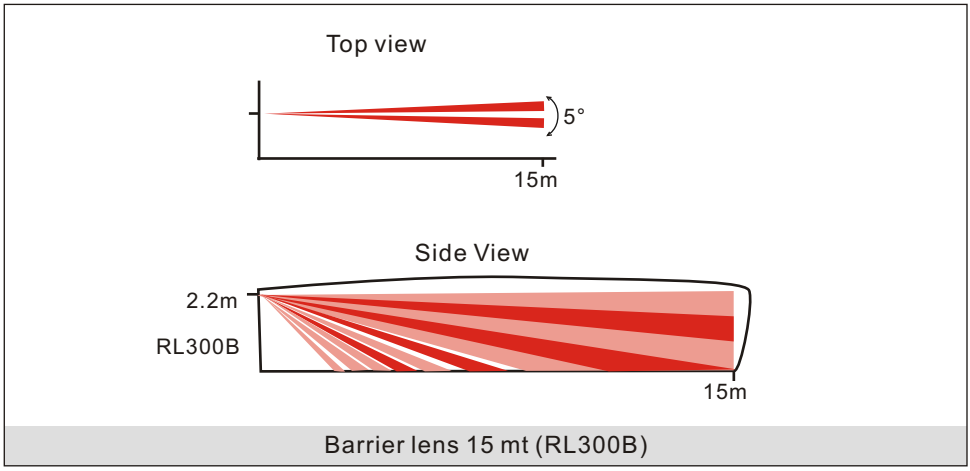
Figure 14

6.1.2 Barrier long range lenses



Barrier Long Range lens, 23 mt - (RL300LR)

Figure 15



Barrier lens 15 mt (RL300B)

Figure 16

Detection may vary related to the terrain and enviromental temperature.

7. LED Indication

3 LED are placed on the front of the detector supplying the following indications:

RED LED steady: indicates Burglar Alarm state
BLUE LED steady: Indicates a Masking state
BLUE LED flashing: Indicates Wireless transmission
GREEN LED steady: Indicates the PIR detection

8. Product guarantee

The Supplier guarantees this product against recognised manufacturing defects for 12 months from delivery. During the guaranteed period, products can be judged defected, substituted or repaired, at the sole discretion of the supplier. The guarantee does not cover products having been manipulated, repaired by third persons or used not accordingly to the foreseen usage. Terms of the guarantee does not incur the supplier into responsibilities for eventual damages, for any reason occured to the Client. Product delivery to the Supplier according to this guarantee, as packing costs and any other accessorial costs as well, are in the account of the Client.

In conformity to the following directives:

CE EMC

ETSI EN301 489-3 V1.4.4:2002
ETSI EN301 489-1 V1.8.1:2008 (EN61000-4-2:2009, EN61000-4-3:2006+A1:2008,EN61000-4-4:2004, EN61000-4-5:2006, EN61000-4-6:2009, EN61000-4-8:1993+A1:2001,EN61000-4-11:2004)

CE LVD

EN 60950-1:2006+A11:2009

CE RADIO TEST

ETSI EN300 220-1 V2.1.1:2006
ETSI EN300 220-2 V2.1.1:2006
ETSI EN300 440-2 V1.2.1
ETSI EN300 440-1 V1.4.1

Note：Tested based on highest frequency, the test report will include multiple frequencies

Compliance declarations can be seen on the site www.tellmewi.com

WEEE directive: This product should be handed over to a designated collection point, e.g., on an authorized one -for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment. Improper handling of this kind of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances.

Technical specifications may vary without advise. Contact the supplier for any information.

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