

## owa450 DEVELOPMENT KIT CONTENT

This development kit contains the following items:

- owa450 to Dev Kit connection cable (24 ways)
- owa450 to Dev Kit connection cable (14 ways)
- owa4X Development kit board
- 2x LTE Antennas / 1x GNSS Antenna
- Speaker / Microphone
- AC/DC Power Supply 230Vac-12Vdc-2A.
- USB to RS232 DB9 Serial Adapter Cable.

First before starting, please request your credentials in [www.owasys.com/en/developers](http://www.owasys.com/en/developers). You will be supplied with a user and a password so as you can access the Developers Zone Web. There you will find the following information and software:

- Cross compiler
- owa450 Integrators Manuals (PDF)
- owa4X Programming Reference Manuals (html)
- owa4X Programming Guide (PDF)
- Application notes
- Latest owa4x firmware

Note that the kit does not include the owa4X units. These must be ordered separately.



To start using the development kit, please refer to section 3 of owa4X Integrators. The owa4X Integrators Manuals contains safety and other precautions section prior to handling the product. For further safety concerns contact **Owasys** at [customer\\_support@owasys.com](mailto:customer_support@owasys.com).

### READ THIS INFORMATION BEFORE STARTING

**owasys** provides the development kit products under the following conditions:

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In case of malfunction of any component within this Development Kit, it may be returned within 30 days from the date of delivery for replacement. THE WARRANTY IS THE EXCLUSIVE WARRANTY MADE BY SELLER TO BUYER AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, OR STATUTORY.

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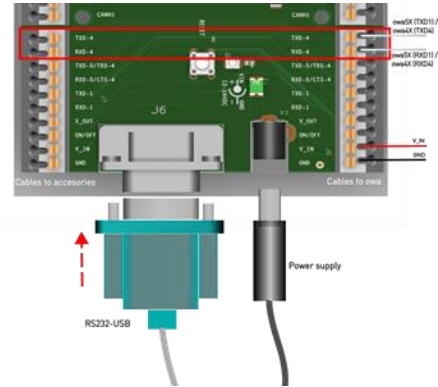
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## Connect owa Unit to DK

1. Prepare the DK connection cable. The DK connection cables are labelled.
2. Connect the cables.

3. Connect the USB-RS232 DB9, to the DK and to the PC.
4. Plug the power supply jack.

	Cable color / label	DK id
	Red	V_IN
	Black	GND
owa4X / owa450	TXD4 RXD4	TXD4 / TXD1 RXD4 / RXD1
owa5X	TXD1 RXD1	TXD4 / TXD1 RXD4 / RXD1



## Configure serial connection to PC

1. Install software to communicate with the owa Unit via serial:

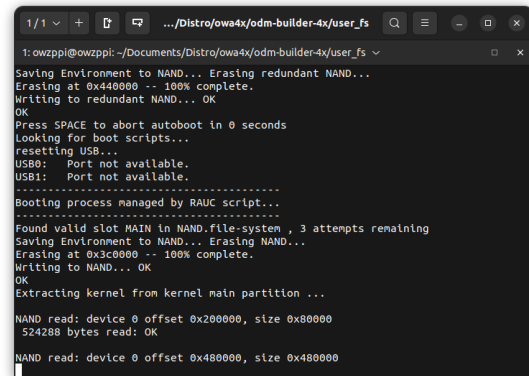
**Linux:** Install minicom (apt install minicom)  
**Mac:** Install minicom (brew install minicom)  
**Windows:** Install Hyperterminal, putty or Teraterm

2. Configure the serial port, with the following settings. You must choose the correct port:

**Baudrate:** 115200  
**Parity:** None  
**Data bit:** 8  
**Stop bit:** 1  
**HW Flow Control:** No  
**SW Flow Control:** No

3. Power the unit (power supply)

4. Communicate with the device



5. Login with default credentials and play with Linux:

user	root	debian
password	root	tempwd
	Super-user	user