Siretta

Enabling Industrial IoT

ZETA-NxP Series

Modem Starter Kit

Quick Start Guide

Rev 1.0

Getting Started

The ZETA-NxP modem requires a data enabled SIM card to work. The unit is supplied without a SIM, please acquire a SIM from a suitable SIM provider.

Please note Three SIM cards will not work with the ZETA-NxP-LTEM.

If you have purchased the ZETA-NxP as a standalone modem, you will need to purchase the accessories mentioned in this document separately.

Visit www.siretta.com to find out where you can purchase these.

Setting up the ZETA-NxP

Step 1. Insert a SIM card fully into the SIM slot. Once the SIM card has been correctly inserted, a click will be heard.

Step 2. Screw the cellular antenna onto the antenna connector on the ZETA-NxP. Twist the antenna connector clock-wise until the antenna is firmly connected.

Cellular antenna

Step 3. Using the supplied RS232 cable, connect the RS232 male connector into the RS232 port on the ZETA-NxP. Connect the RS232 female connector (other end of the cable) into an RS232 port on your PC.
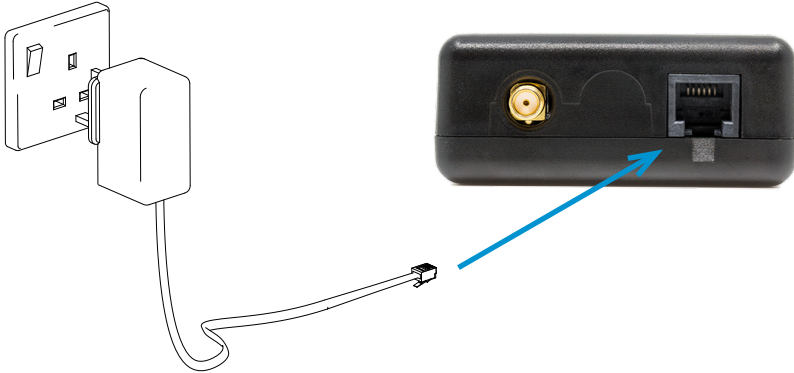

RS232 to USB cable

Step 4. Open 'HyperTerminal' on your PC. You will be requested to enter the number of the COM port your are using to communicate between the ZETA-NxP and PC. Upon request, ensure the following information is inserted:

» Bits Per Second: 115200

» Data Bits: 8

» Parity: None

» Stop Bit: 1

» Flow Control: Hardware

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IF USING POWER SUPPLY

Step 5. Plug the power supply into the ZETA-NxP. Ensure the mains supply is plugged into a power source and switched on. The green LED on the ZETA-NxP will start flashing*****, this indicates that power has been supplied. See **table 1** for ZETA-NLP-LTEM LED indication and **table 2** for ZETA-NSP-LTEM LED indication.
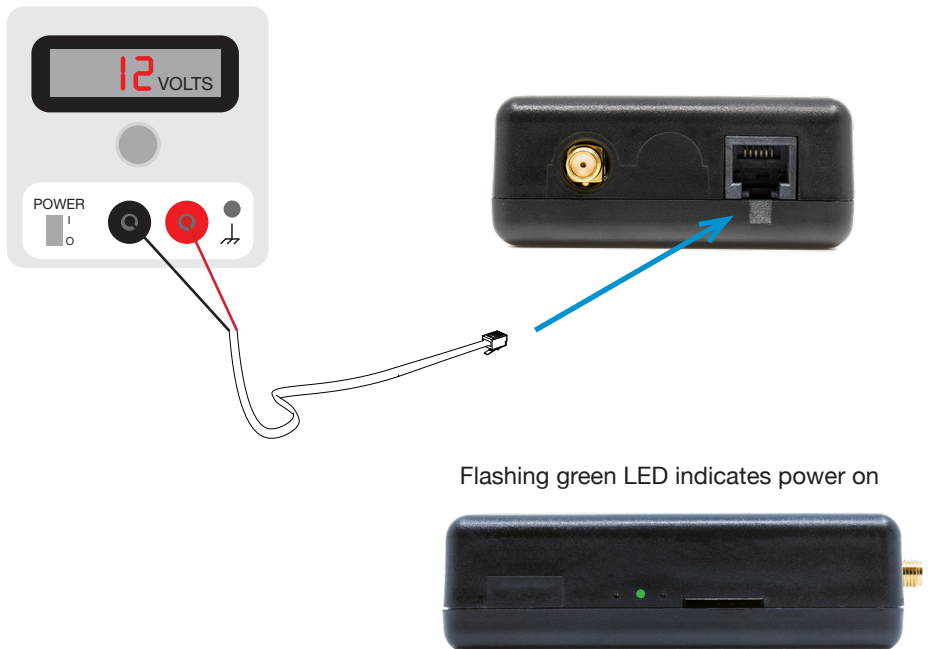

Flashing green LED indicates power on

*If this step fails, please try again. If it fails a second time, please contact your Siretta representative or call us on +44 (0)118 976 9010.

IF USING POWER CABLE

Step 5. Plug the power cable into the ZETA-NxP. The other end of the power cable has a black and red wire, connect the red wire to the positive (red) terminal on the bench supply, connect the black wire to the negative (black) terminal on the bench supply. When you have double checked the connections and have set the output voltage to nominal 12V, you can power on the unit. The green LED on the ZETA-NxP will start flashing*****, this indicates that power has been supplied. See **table 1** for ZETA-NLP-LTEM LED indication and **table 2** for ZETA-NSP-LTEM LED indication.

Flashing green LED indicates power on

*If this step fails, please try again. If it fails a second time, please contact your Siretta representative or call us on +44 (0)118 976 9010.

SAME FOR POWER SUPPLY / POWER CABLE

Table 1. ZETA-NLP-LTEM LED indication

LED colour	State
Red (STAT_LED)	OFF: Module in power saving mode
Green (GPIO 1)	Fast flash during power on procedure. Once powered on the green LED will flash once every 30 seconds to indicate modem in powered on state
Blue (GPIO 2)	Fast flash during power off procedure. Once powered off the blue LED will flash once every 30 seconds to indicate modem in powered off state

Table 2. ZETA-NSP-LTEM LED indication

LED colour	State
Red (STAT_LED)	Constant ON: Network search / not registered / call in progress Slow rate once every 3 seconds: Registered full service OFF: Module power down
Green (GPIO 1)	Fast flash during power on procedure. Once powered on the LED will be under the control of the cellular engine.
Blue (GPIO 2)	Fast flash during power off procedure. Once powered on the LED will be under the control of the cellular engine.

Step 6. In the 'Hyperterminal' command window, type in the command:

AT<cr>

The command window will respond with:

OK

Your ZETA-NxP is now connected and ready to start communication.

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