



# HEALTECH ELECTRONICS iLE-EXT1 Extension Module for iLogger Easy User Guide

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**HEALTECH ELECTRONICS iLE-EXT1 Extension Module for iLogger Easy**



## iLE-EXT Quick User Guide

The iLE-EXT1 is an extension module for iLogger Easy, which is a telemetry system that records data from multiple sensors while riding for subsequent analysis and evaluation. The iLE-EXT1 extension module lets you connect another four (4) analog or digital signals while providing two (2) additional configurable outputs and a power supply output to various sensors.

### Features

- Four (4) extra inputs: With the iLE-EXT1 unit, you can extend the number of inputs with an additional four (4) channels. All these can be configured to capture either analog or digital signals.
- Two (2) additional outputs: The iLE-EXT1 module provides two (2) additional output channels which can feed a switched GND rail for various operations, like controlling relays, fans, pumps, etc.
- +5V supply for sensors: Besides the additional input and output channels, the iLE-EXT1 module provides two (2) +5V power and two (2) GND connections for new sensors.

### Specifications

There are no specifications provided in the user manual.

### Installation

The basic installation of the iLE-EXT1 is quite straightforward. Follow these simple steps to add an iLE-EXT1 to your configuration:

1. Plug the supplied link cable to the EXT port of the iLE-1 module.
2. Plug the other end of the link cable to the EXT IN port of the iLE-EXT1 unit. You can link as many extension modules as you like in a daisy-chain fashion link.
3. Connect the sensors to the iLE-EXT1 module(s) you wish to capture.
4. After power-up, the iLE-1 main unit will detect the new extension module(s) automatically. You can configure the new channels in the iLE app.

**Device compatibility/application download links:**

The iLogger easy app is compatible with iPhone/iPad devices running iOS 11.0 or newer. To download the latest iLogger easy app, scan the barcode or visit the link provided on the user manual. The app is also compatible with Android devices running Android.

## Foreword

Congratulations on your purchase of the iLogger easy extension module (iLE-EXT1). The iLoggereasy represents a new generation of telemetry systems that is fundamentally different from the competition. It records data from multiple sensors while riding for subsequent analysis and evaluation. If you get serious in your riding/driving game, you will get to a point when the inputs of the iLE-1 aren't sufficient. The iLE-EXT1 extension module lets you connect another four (4) analog or digital signals while providing two (2) additional configurable outputs and a power supply output to various sensors. For more information on this product, please visit: [www.healtech-electronics.com/iLE](http://www.healtech-electronics.com/iLE).

## Features

### • FOUR (4) EXTRA INPUTS

The iLE-1 comes with five (5) input channels. With the EXT1 unit, you can extend the number of inputs with an additional four (4) channels. (Supports daisy-chain linking, e.g. multiple iLE-EXT1 modules can be connected after one another.) All these can be configured to capture either analogue or digital signals. The analogue inputs work in the 0-5V range, just as on the main module.

### • TWO (2) ADDITIONAL OUTPUTS

The iLE-EXT1 module provides two (2) additional output channels. These channels can feed a switched GND rail for various operations, like controlling relays, fans, pumps, etc. Any analogue or digital input on the iLE-EXT1 module can be used as a signal source for the output condition configuration.

### • +5V SUPPLY FOR SENSORS

Besides the additional input and output channels, the iLE-EXT1 module provides two (2) +5V power and two (2) GND connections for new sensors. You can power any extra sensors that don't get power from the main wiring harness of the vehicle.

## Specifications

- Supply voltage: +8V to +20V (through the EXT port)
- Max. supply current at 12V: 120 mA
- Max. output current: 50mA
- Operating temp: -40°C to +80°C (-40°F to +176°F)
- Unit size: 79 x 20 x 51 mm (3.11 x 0.78 x 2 inches)
- Waterproof (IP68)
- Regulatory certifications

## Installation

The basic installation of the iLE-EXT1 is quite straightforward. Follow these simple steps to add an iLE-EXT1 to your configuration:

1. Plug the supplied link cable to the EXT port of the iLE-1 module.
2. Plug the other end of the link cable to the EXT IN port of the iLE-EXT1 unit. You can link as many extension

modules as you like in a daisy-chain fashion link. In order to do so, plug the link cable to the EXT OUT port of the extension module. The other end of the link cable connects to the EXT IN port of the next module.

- **Note:** The supplied link termination plug has to be plugged into the EXT OUT of the last iLE-EXT1 unit in the line, otherwise the link won't work. As soon as you plug in the link termination plug, the extension module is fully functional.

3. Connect the sensors to the iLE-EXT1 module(s) you wish to capture.

4. After power-up, the iLE-1 main unit will detect the new extension module(s) automatically. You can configure the new channels in the iLE app.

## Device compatibility/application download links

- **iOS devices:**

Compatible with iPhone/iPad devices running iOS 11.0 or newer. To download the latest iLogger easy app scan the barcode or visit the link below:

<https://apps.apple.com/us/app/ilogger-easy-ile/id1550090875>



iLE iOS application

- **Android devices:**

Compatible with Android devices running Android 5.0 (Lollipop) or newer. To download the latest iLogger easy app scan the barcode or visit the link below:

<https://play.google.com/store/apps/details?id=com.healtech.file>



iLE Android application

## User manual

The complete user manual is embedded into the iOS/Android application and can be accessed directly from the 'Help' section. You may also download the manual in pdf format from the link below:

[https://www.healtech-electronics.com/docs/iLE\\_Manual\\_en.pdf](https://www.healtech-electronics.com/docs/iLE_Manual_en.pdf).




## Warranty


HealTech Electronics Ltd. guarantees this product against defects in material and workmanship for a period of two (2) years. The warranty period starts from the date of the original purchase as shown on the invoice.

- iLogger easy Quick User Guide [rev. 002]
- [www.healtech-electronics.com/iLE](http://www.healtech-electronics.com/iLE).
- Extension module for iLogger easy

## Documents / Resources

	<a href="#">HEALTECH ELECTRONICS iLE-EXT1 Extension Module for iLogger Easy</a> [pdf] User Guide iLE-EXT1 Extension Module for iLogger Easy, iLE-EXT1, Extension Module for iLogger Easy, E xtension Module, Module
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## References

-  [iLogger easy \(new\) - HealTech Electronics Ltd. %](#)
-  [iLogger easy \(new\) - HealTech Electronics Ltd. %](#)