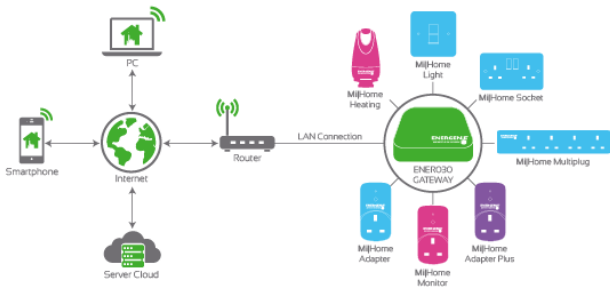


## User Manual

## Energie MiHome Monitor adapter



The Monitor adapter is part of the **MiHome** home automation range. The Monitor adapter allows you to monitor the power being used by an attached appliance. It links to the **MiHome Gateway** which provides the communications between your adapter and the internet.

## Pairing the Monitor Adapter

To use the adapter in your MiHome system it must be first “paired” with the Gateway.

Please ensure that your device is in range of the Gateway when you pair it. We suggest 10 metres or so as unobscured by furniture or walls etc. as possible.



You have two options to pair your adapter to the Gateway: either via a browser on a PC or smart device or via your smart device App.

You will need to have created an account and already installed the MiHome Gateway that you will use.

### Via a Browser:

Select the option to pair a new device and choose the Monitor adapter to be registered.

Follow the instructions to hold down the button on the front of the housing of the adapter until you see the device come up on the screen as being paired.

### Via the App on your smartphone:

Follow the instructions on the screen when you run the App to pair a Monitor adapter.

Please note that after pairing, your adapter may be moved into different locations. You should be able to control it at a range of at least 25 metres in open air. Less if behind furniture or a wall etc.

If you are having trouble with the range move your adapter closer to the Gateway or move an obstruction that may affect the signal.

## Using the Dashboard

You can view and control your paired device by selecting the Dashboard option on your App or via the browser.

## Functions in Operating Mode

- LED on when the adapter is powered
- Continuous measurement of real power, reactive power, voltage and frequency.
- Transmission of measurements over radio every 10 seconds
- Pairing message sent at next transmission interval if push switch pressed (LED off while button pressed)

## Technical Specification

### Electrical

<i>Maximum load:</i>	<i>3000W, 13A</i>
<i>Voltage range:</i>	<i>230-250V 50Hz ac</i>
<i>Plug and socket:</i>	<i>BS5733 and BS1363</i>
<i>Insulation:</i>	<i>Class II</i>
<i>Measurement Accuracy:</i>	<i>~2%</i>

## Radio

*Transmission Frequency: 434.300 MHz*

*Tx duty cycle: <10%*

*Modulation: FSK, Manchester encoded*

*Transmission Interval: 10s*

*Protocol: OpenThings*

## Environmental

*Operating temperature: 0°C to 40°C*

*Storage temperature: -40°C to 85°C*

*Location: Indoor use only*

## Mechanical

*Plug adapter housing in UK format*

## Troubleshooting

1. Please ensure that you do not plug MiHome adapters into adjacent sockets in a wall socket or extension lead. There should be several metres distance between individual adapters.
2. Any local source of radio noise may effect operation of the system. This may include poorly regulated fans or other devices running electric motors, noisy power supplies or other low quality electrical and electronic equipment including LED lights.
3. If your attempt to pair and adapter fails please try again. Occasionally the signals between devices may be subject to noise or other outside interference which is common for radio systems of this nature.
4. The range of communication between your Gateway and the device will be affected by anything in between that may obscure the signal such as furniture, walls, ceilings, windows, doors etc.

For further help please look online at  
[mihome4u.co.uk/help](https://mihome4u.co.uk/help) or contact us at  
[support@mihome4u.co.uk](mailto:support@mihome4u.co.uk)



## Declaration of Conformity

Sandal Plc trading as Energenie declare under our sole responsibility as importer that the product:

Model: MIHO004 is in accordance with the following Directive(s):

- |            |  |
|------------|--|
| 2006/95/EC | Low Voltage Directive (LVD)  |
| 2014/53/EC | R&TTE Directive (Article 3.1b and 3.2)   |
| 2002/96/EC | Waste Electrical and Electronic Equipment (WEEE) Directive                     |
| 2011/65/EU | Restriction of the Use of Certain Hazardous Substances (RoHS) Directive Recast |

The unit complies with all essential requirements of the above referenced specifications and directives and has been issued a CE mark as per directive 93/98/EEC.

The Technical Construction File required is maintained at the company headquarters at 5 Harold Close, The Pinnacles, Harlow, Essex, England, CM19 5TH.

## Caution

Please be aware that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Energenie and MiHome are brand names of Sandal Plc.  
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Oxon, OX26 6BW



## Other Notices

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Part no: MIHO004