



Interface Kit RS232 - Ethernet Instruction Manual



INTRODUCTION

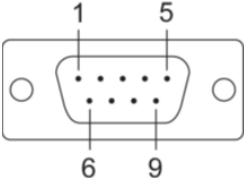
The OHAUS RS232-Ethernet Interface Kit is a unique solution that allows the user to connect a balance to the Ethernet. It can be used with OHAUS products that have the RS232 interface.

SYSTEM REQUIREMENTS

- ♦ **Ethernet Interface**
 - Compliance: IEEE 802.3 compatible
 - Connector: RJ-45

- ♦ **RS232 Interface**

This Kit uses a male DB9 connector. Pin assignments are shown in the following diagram:

DB9 (Male)	Pin	RS232
	1	Reset
	2	RxD (in)
	3	TxD (out)
	4	N/A
	5	GND
	6	N/A
	7	N/A
	8	N/A
	9	N/A

- ♦ **Technical Data**
 - Indoor use only
 - Operating Temperature: 0 to 40°C
 - Storage Temperature: -10 to 55°C
 - Ambient Relative Humidity: maximum relative humidity 80 % for temperatures up to 30°C, decreasing linearly to 50% relative humidity at 40°C, noncondensing
 - Altitude: Up to 2000 m
 - Power Input: 12VDC 0.5A

INTERFACE INSTALLATION

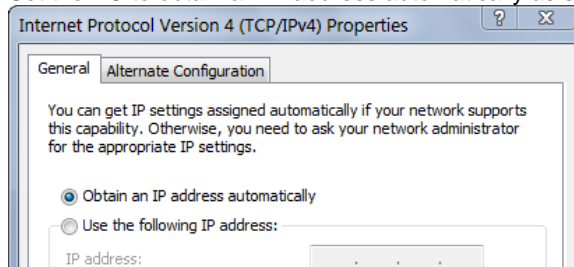
Power on the Kit by connecting the power adapter. Plug the RS232 connector of the kit into the female RS232 connector on the balance. The RS232 configuration is set to 19200-8-N-1, handshake is None. Another RJ-45 connector can be connected to a Local Area Network by a network cable.


ETHERNET CONFIGURATION

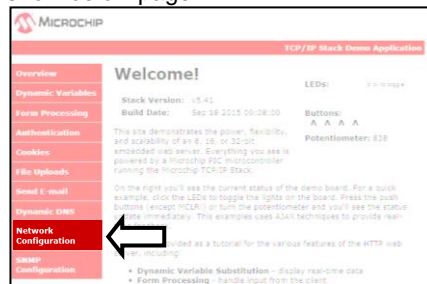
CAUTION: Invalid or incorrect Ethernet parameters may impact your network system or lose network connectivity. Please check with your network administrator before use.

To set the Ethernet parameters with web browser

1. Make sure the Ethernet Interface Kit is installed properly and network cable is connected to a computer (PC).
2. Set the PC to obtain an IP address automatically as shown below.



3. Open the IE Browser and enter the default IP address of the Ethernet Interface Kit "169.254.1.1" (, the browser will show below page:



4. Click the "Network Configuration" on the left side, and input the user name and password. Then click "OK" to proceed.
5. Input the Ethernet parameters in the following page, click "Save Config" to save the changes.

MAC Address:	00:E0:7C:00:00:00
Host Name:	OHAUETH
	<input checked="" type="checkbox"/> Enable DHCP
IP Address:	169.254.1.1
Gateway:	169.254.1.1
Subnet Mask:	255.255.0.0
Primary DNS:	169.254.1.1
Secondary DNS:	0.0.0.0
<input type="button" value="Save Config"/>	

Note:

- To use DHCP, enable the DHCP: ☒ Enable DHCP
- To use static IP address, disable the DHCP: ☐ Enable DHCP and then set the Ethernet configuration parameters.

Ethernet Connection

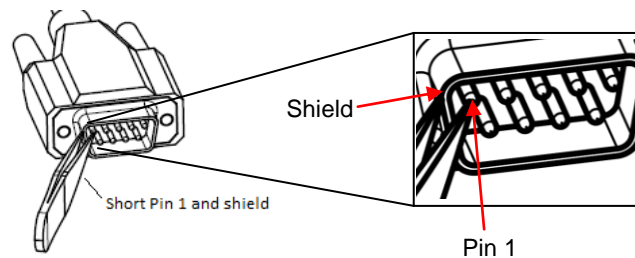
The Interface has a default static IP Address, 169.254.1.1, and can be changed by following above steps.

The Port Number is always 9761 and cannot be changed.

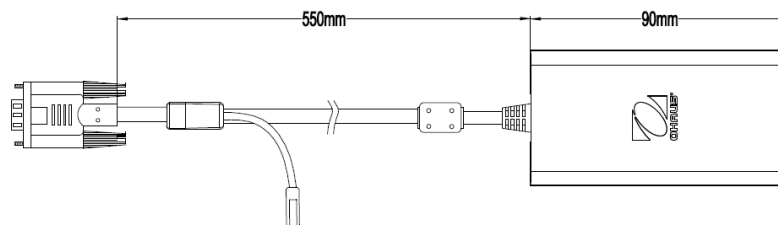
Configuration reset

It is recommended to record the IP address since the Ethernet Interface Kit can only set parameter per web by IP address. In case the IP address is lost, it can be reset to the factory setting by following below steps.

1. Power off the kit.
2. Short Pin 1 of RS232 connector to the shield with tweezers or other conductive material.
3. Power on the kit. After 5s, remove the tweezers or other conductive material used. The kit is now reset to the factory configuration.






DIMENSIONS



COMPLIANCE

Compliance to the following standards is indicated by the corresponding mark on the product.

Marking	Standard
	EN 55032 (Class B), EN 55024
	EN 55032 (Class B)
	FCC Part 15 (Class B)

FCC Note:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:



- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Please note that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Industry Canada Note

This product complies with Canadian ICES-003.

Disposal

 	<p>In conformance with the European Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE) this device may not be disposed of in domestic waste. This also applies to countries outside the EU, per their specific requirements.</p> <p>Please dispose of this product in accordance with local regulations at the collecting point specified for electrical and electronic equipment. If you have any questions, please contact the responsible authority or the distributor from which you purchased this device.</p> <p>Should this device be passed on to other parties (for private or professional use), the content of this regulation must also be related.</p> <p>Thank you for your contribution to environmental protection.</p>
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