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Betriebsanleitung KERN Schnittstellenadapter mit Kabel- für Ethernet
Operating manual KERN Interface Adapter with Cable for Ethernet

KERN YKUP-04

Typ TYKUP-04-A
Version 1.1
2022-03
D, GB

i	Sie finden die aktuelle Version dieser Anleitung auch online unter: https://www.kern-sohn.com/shop/de/DOWNLOADS/ Unter der Rubrik Bedienungsanleitungen

i	You will find the current version of these instructions also online under: https://www.kern-sohn.com/shop/de/DOWNLOADS/ Under the column Operating instructions

D

KERN Schnittstellenadapter mit Kabel

Version 1.1 2022-03

Installationsanleitung für Ethernet

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1 Allgemeines

Kabellänge: 0,15 m

i	• Über die Ethernet-Schnittstelle können Wägedaten über ein Netzwerk übertragen werden. • **Es dürfen nur KERN KUP-Adapter an den 15-pol-Sub-D-Anschluss der Waage angeschlossen werden!**

1.1 Installation

- Gerät ausschalten
- KUP-Adapter (Ethernet) 15-pol-Sub-D-Anschluss des Gerätes einstecken
- Geräte einschalten
    - o Der KUP-Adapter wird automatisch vom Gerät erkannt

In der Standardkonfiguration verwendet der KUP-Adapter das DHCP-Protokoll, um sich in das Netzwerk einzuwählen.
Zur Abfrage der über DHCP zugewiesenen Konfiguration sowie zur spezifischen/statischen Konfiguration der IP-Adresse, Subnetz-Maske oder des Gateways können die KCP-Befehle **JNEx** verwendet werden.

1.2 Auszug aus KERN Communications Protocol KCP (Ref. manual 1.5.0)

JNEA – Query / set network address (IP) of Ethernet Interface

Description

Use this command to query or set the network address (IP) of Ethernet Interface.

Syntax

Command

JNEA	Query the current network address.
JNEA␣*«NetworkAddress»*	Set the current network address.
JNEA␣0.0.0.0	Activate DHCP.

Responses

JNEA␣A␣*«NetworkAddress»*	Current network address (IP).
JNEA␣A	Network address setting successfully performed.
JNEA␣I	Command understood but currently not executable (device is currently executing another command, e.g. taring, or timeout as stability was not reached).
JNEA␣L	Command understood but not executable (incorrect parameter).

Parameters / Return values

Name	Type	Values	Meaning
NetworkAddress	string		Network address (e.g. 192.168.0.1).

Comments

- All three commands, JNEA, JNEK and JNEG are required to enter sequentially for completing the setting of Ethernet Interface.
- The exceptional case is activating the DHCP. The network mask and gateway address are not required. A single command “JNEA 0.0.0.0” can activate the DHCP of the Ethernet Interface.
- It may take a few seconds to response to the command.

Examples

↓	JNEA	Send current network address.
↑	JNEA␣A␣192.168.0.1	The current network address is 192.168.0.1.

↓	JNEA␣192.168.0.1	Set network address to 192.168.0.1.
↑	JNEA␣A	Set network address setting successfully performed.

↓	JNEA␣0.0.0.0	Activate DHCP setting.
↑	JNEA␣A	Successfully activated DHCP setting.

See also

→	JNEK – Query / set network mask
→	JNEG – Query / set gateway address

JNEK – Query / set network mask of Ethernet Interface

Description

Use this command to query or set the network mask of Ethernet Interface.

Syntax

Command

JNEK	Query the current network mask.
JNEK␣*«NetworkMask»*	Set the current network mask.

Responses

JNEK␣A␣*«NetworkMask»*	Current network mask.
JNEK␣A	Network mask setting successfully performed.
JNEK␣I	Command understood but currently not executable (device is currently executing another command, e.g. taring, or timeout as stability was not reached).
JNEK␣L	Command understood but not executable (incorrect parameter).

Parameters / Return values

Name	Type	Values	Meaning
NetworkMask	string		Network mask (e.g. 255.255.255.0)

Comments

- All three commands, JNEA, JNEK and JNEG are required to enter sequentially for completing the setting of Ethernet Interface.
- The exceptional case is activating the DHCP. The network mask and gateway address are not required. A single command “JNEA 0.0.0.0” can activate the DHCP of the Ethernet Interface.
- It may take a few seconds to response to the command.

Examples

↓	JNEK	Send current network mask.
↑	JNEK␣A␣255.255.255.0	The current network mask is 255.255.255.0.

↓	JNEK␣255.255.255.0	Set network mask to 255.255.255.0.
↑	JNEK␣A	Set network mask setting successfully performed.

See also

→	JNEA – Query / set network address (IP)
→	JNEG – Query / set gateway address

Deutsch

JNEG – Query / set gateway address of Ethernet Interface

Description

Use this command to query or set the gateway address of Ethernet Interface.

Syntax

Command

JNEG	Query the current gateway address.
JNEG␣*«GatewayAddress»*	Set the current gateway address.

Responses

JNEG␣A␣*«GatewayAddress»*	Current gateway address.
JNEG␣A	Gateway address setting successfully performed.
JNEG␣I	Command understood but currently not executable (device is currently executing another command, e.g. taring, or timeout as stability was not reached).
JNEG␣L	Command understood but not executable (incorrect parameter).

Parameters / Return values

Name	Type	Values	Meaning
GatewayAddress	string		Gateway address (e.g. 192.168.0.99)

Comments

- All three commands, JNEA, JNEK and JNEG are required to enter sequentially for completing the setting of Ethernet Interface.
- The exceptional case is activating the DHCP. The network mask and gateway address are not required. A single command “JNEA 0.0.0.0” can activate the DHCP of the Ethernet Interface.
- It may take a few seconds to response to the command.

Examples

↓	JNEG	Send current gateway address.
↑	JNEG␣A␣192.168.0.99	The current gateway address is 192.168.0.99.

↓	JNEG␣192.168.0.99	Set gateway address to 192.168.0.99.
↑	JNEG␣A	Set gateway address setting successfully performed.

See also

→	JNEA – Query / set network address (IP)
→	JNEK – Query / set network mask

GB

KERN Interface Adapter with Cable

Version 1.1 2022-03

Installation Instructions for Ethernet

Contents

Deutsch

1 General hints

Cable length: 0.15 m

i	• Via the Ethernet interface, weighing data can be transferred via a network. • **Only KERN KUP-adapters may be connected to the 15-pol-sub-D-connection of the balance!**

1.1 Installation

- Switch off appliance
- Plug in the KUP adapter (Ethernet) at the 15-pol-Sub-D-connection of the
- Switch on appliance
    - The KUP adapter is automatically recognised by the appliance

In standard configuration the KUP adapter uses the DHCP log to intrude into the network.
For inquiry of the configuration allocated via DHCP, as well as to the specific/static configuration of the IP-address, subnet-mask or the gateway, the KCP-commands **JNEx** can be used.

1.2 Extract from the KERN Communications Protocol KCP (Ref. manual 1.5.0)

JNEA – Query / set network address (IP) of Ethernet Interface

Description

Use this command to query or set the network address (IP) of Ethernet Interface.

Syntax

Command

JNEA	Query the current network address.
JNEA␣*«NetworkAddress»*	Set the current network address.
JNEA␣0.0.0.0	Activate DHCP.

Responses

JNEA␣A␣*«NetworkAddress»*	Current network address (IP).
JNEA␣A	Network address setting successfully performed.
JNEA␣I	Command understood but currently not executable (device is currently executing another command, e.g. taring, or timeout as stability was not reached).
JNEA␣L	Command understood but not executable (incorrect parameter).

Parameters / Return values

Name	Type	Values	Meaning
NetworkAddress	string		Network address (e.g. 192.168.0.1).

Comments

- All three commands, JNEA, JNEK and JNEG are required to enter sequentially for completing the setting of Ethernet Interface.
- The exceptional case is activating the DHCP. The network mask and gateway address are not required. A single command “JNEA 0.0.0.0” can activate the DHCP of the Ethernet Interface.
- It may take a few seconds to response to the command.

Examples

↓	JNEA	Send current network address.
↑	JNEA␣A␣192.168.0.1	The current network address is 192.168.0.1.

↓	JNEA␣192.168.0.1	Set network address to 192.168.0.1.
↑	JNEA␣A	Set network address setting successfully performed.

↓	JNEA␣0.0.0.0	Activate DHCP setting.
↑	JNEA␣A	Successfully activated DHCP setting.

See also

→	JNEK – Query / set network mask
→	JNEG – Query / set gateway address

JNEK – Query / set network mask of Ethernet Interface

Description

Use this command to query or set the network mask of Ethernet Interface.

Syntax

Command

JNEK	Query the current network mask.
JNEK␣*«NetworkMask»*	Set the current network mask.

Responses

JNEK␣A␣*«NetworkMask»*	Current network mask.
JNEK␣A	Network mask setting successfully performed.
JNEK␣I	Command understood but currently not executable (device is currently executing another command, e.g. taring, or timeout as stability was not reached).
JNEK␣L	Command understood but not executable (incorrect parameter).

Parameters / Return values

Name	Type	Values	Meaning
NetworkMask	string		Network mask (e.g. 255.255.255.0)

Comments

- All three commands, JNEA, JNEK and JNEG are required to enter sequentially for completing the setting of Ethernet Interface.
- The exceptional case is activating the DHCP. The network mask and gateway address are not required. A single command “JNEA 0.0.0.0” can activate the DHCP of the Ethernet Interface.
- It may take a few seconds to response to the command.

Examples

🡻	JNEK	Send current network mask.
🡹	JNEK␣A␣255.255.255.0	The current network mask is 255.255.255.0.

🡻	JNEK␣255.255.255.0	Set network mask to 255.255.255.0.
🡹	JNEK␣A	Set network mask setting successfully performed.

See also

➔	JNEA – Query / set network address (IP)
➔	JNEG – Query / set gateway address

Deutsch

JNEG – Query / set gateway address of Ethernet Interface

Description

Use this command to query or set the gateway address of Ethernet Interface.

Syntax

Command

JNEG	Query the current gateway address.
JNEG␣*«GatewayAddress»*	Set the current gateway address.

Responses

JNEG␣A␣*«GatewayAddress»*	Current gateway address.
JNEG␣A	Gateway address setting successfully performed.
JNEG␣I	Command understood but currently not executable (device is currently executing another command, e.g. taring, or timeout as stability was not reached).
JNEG␣L	Command understood but not executable (incorrect parameter).

Parameters / Return values

Name	Type	Values	Meaning
GatewayAddress	string		Gateway address (e.g. 192.168.0.99)

Comments

- All three commands, JNEA, JNEK and JNEG are required to enter sequentially for completing the setting of Ethernet Interface.
- The exceptional case is activating the DHCP. The network mask and gateway address are not required. A single command “JNEA 0.0.0.0” can activate the DHCP of the Ethernet Interface.
- It may take a few seconds to response to the command.

Examples

🡻	JNEG	Send current gateway address.
🡹	JNEG␣A␣192.168.0.99	The current gateway address is 192.168.0.99.

🡻	JNEG␣192.168.0.99	Set gateway address to 192.168.0.99.
🡹	JNEG␣A	Set gateway address setting successfully performed.

See also

➔	JNEA – Query / set network address (IP)
➔	JNEK – Query / set network mask