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Betriebsanleitung

KERN Schnittstellenadapter mit Kabel- für WLAN

KERN YKUP-05

Typ TYKUP-05-A

Version 1.0

2021-09

D

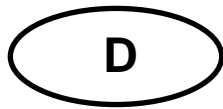


Sie finden die aktuelle Version dieser Anleitung auch online unter:

<https://www.kern-sohn.com/shop/de/DOWNLOADS/>

Unter der Rubrik Bedienungsanleitungen

TYKUP-05-A-BA-d-2110_WLAN



KERN Schnittstellenadapter mit Kabel

Version 1.0 2021-09

Installationsanleitung für WLAN

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1 Allgemeines

Kabellänge: 0,15 m

i	<ul style="list-style-type: none">• Über WLAN können Wägedaten übertragen werden.• Es dürfen nur KERN KUP-Adapter an den 15-pol-Sub-D-Anschluss der Waage angeschlossen werden!
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1.1 Installation

- Gerät ausschalten
 - KUP-Adapter (WLAN) 15-pol-Sub-D-Anschluss des Gerätes einstecken
 - Gerät einschalten
 - Der KUP-Adapter wird automatisch vom Gerät erkannt
- ⇒ Nach dem Einschalten ohne Konfiguration erstellt das Gerät zunächst einen WLAN Accesspoint mit dem Namen „AI-Thinker_xxxxxx.“
- ⇒ Computer über diesen Accesspoint mit dem Gerät verbinden.
- ⇒ In einem Webbrowser die IP-Adresse 192.168.4.1 eingeben (Standard-IP). Es erscheint die Konfigurations-Website. Die statische IP wird über die KCP-Befehle vergeben.

A	Betriebsmodus „apsta“ auswählen
B	WLAN-Netzwerkname und entsprechendes Passwort eingeben
C	Einstellungen speichern und Ziel-Software neu starten (Reboot-Button)

(s. Abb.):

The screenshot shows the 'ESP8266 WebConfig' interface with three main configuration panels: 'Serial Setting', 'SoftAP', and 'Station'. At the top right, there are 'Restore' and 'Reboot' buttons. The 'Station' panel includes a 'Mode' dropdown menu (set to 'apsta'), an 'AP Name' field (set to 'PDWLAN'), and an 'AP Password' field (set to '12345678'). Below these are fields for IP address, Subnet mask, Gateway, and Mac. Each panel has a 'Save' button at the bottom. Callout 'A' points to the 'Mode' dropdown, 'B' points to the 'AP Name' field, and 'C' points to the 'Save' button in the 'Station' panel.

D	Verbindung zum PC trennen und Stromversorgung des Geräts trennen.
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i Wurden Einstellungen am Gerät vorgenommen, ist darauf zu achten, dass das Gerät vollständig ausgeschaltet ist! Die Einstellungen werden erst dann übernommen. Aktualisieren (Reboot-Button) und Speichern (Save-Button) sind nicht ausreichend!

E	<ul style="list-style-type: none"> • Gerät wieder an die Stromversorgung anschließen, • Verbindung zum PC wieder herstellen, • Konfigurations-Webseite aufrufen und IP-Adresse prüfen.
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(s.Abb.:)

The screenshot shows the 'ESP8266 WebConfig' interface with three main configuration panels: 'Serial Setting', 'SoftAP', and 'Station'. Each panel has a 'Save' button at the bottom. The 'Station' panel includes fields for Mode (apsta), AP Name (PDWLAN), AP Password (12345678), IP address (10.0.11.13), Subnet mask (255.255.0.0), Gateway (10.0.0.1), and Mac (bc:dd:c2:87:2b:77). A red box highlights the IP address field, with a small white box containing the letter 'E' next to it.

F	Konfigurations-Webseite schließen, PC mit dem ausgewählten Netzwerk verbinden
G	Ziel-Software (z.B. KERN Balance Connection) öffnen und IP-Adresse und Port 23 eintragen.

(s.Abb.:)

The screenshot shows a Windows dialog box titled 'TCP/IP -> 10.0.11.13:23 < 440 (Gewichtswert-Parser) - Eigenschaften'. It has three tabs: 'Allgemein', 'Bus', and 'IP Port Eigenschaften'. The 'IP Port Eigenschaften' tab is active, showing 'TCP/UDP / IP Einstellungen'. The 'Verbindungsart' is set to 'TCP - Client - verbindend'. The 'Lokale IP Adresse' is empty, and the 'Port' is empty. The 'Ziel Host/IP Adresse' is '10.0.11.13' and the 'Port' is '23'. The 'Keep-Alive' checkbox is checked. There are 'Abbrechen' and 'Anwenden' buttons at the bottom.

Zur Abfrage der über DHCP zugewiesenen Konfiguration sowie zur spezifischen/statischen Konfiguration der IP-Adresse, Subnetz-Maske oder des Gateways können die KCP-Befehle **JNWx** verwendet werden.

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

JNWA – Query / set network address (IP) of WIFI Interface

Description

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

Syntax

Command

JNWA	Query the current network address.
JNWA_«NetworkAddress»	Set the current network address.
JNWA_0.0.0.0	Activate DHCP.

Responses

JNWA_A_«NetworkAddress»	Current network address (IP).
JNWA_A	Network address setting successfully performed.
JNWA_I	Command understood but currently not executable (device is currently executing another command, e.g. taring, or timeout as stability was not reached).
JNWA_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, JNWA, JNWK and JNWG are required to enter sequentially for completing the setting of WIFI Interface.
- The exceptional case is activating the DHCP. The network mask and gateway address are not required. A single command "JNWA 0.0.0.0" can activate the DHCP of the WIFI Interface.
- It may take a few seconds to response to the command.

Examples

↓	JNWA	Send current network address.
↑	JNWA_A_192.168.0.1	The current network address is 192.168.0.1.
↓	JNWA_192.168.0.1	Set network address to 192.168.0.1.
↑	JNWA_A	Set network address setting successfully performed.
↓	JNWA_0.0.0.0	Activate DHCP setting.
↑	JNWA_A	Successfully activated DHCP setting.

See also

→	JNWK – Query / set network mask
→	JNWG – Query / set gateway address

JNWK – Query / set network mask of WIFI Interface

Description

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

Syntax

Command

JNWK	Query the current network mask.
JNWK_«NetworkMask»	Set the current network mask.

Responses

JNWK_A_«NetworkMask»	Current network mask.
JNWK_A	Network mask setting successfully performed.
JNWK_I	Command understood but currently not executable (device is currently executing another command, e.g. taring, or timeout as stability was not reached).
JNWK_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, JNWA, JNWK and JNWK are required to enter sequentially for completing the setting of WIFI Interface.
- The exceptional case is activating the DHCP. The network mask and gateway address are not required. A single command "JNWA 0.0.0.0" can activate the DHCP of the WIFI Interface.
- It may take a few seconds to response to the command.

Examples

↓	JNWK	Send current network mask.
↑	JNWK_A_255.255.255.0	The current network mask is 255.255.255.0.
↓	JNWK_255.255.255.0	Set network mask to 255.255.255.0.
↑	JNWK_A	Set network mask setting successfully performed.

See also

→	JNWA – Query / set network address (IP)
→	JNWK – Query / set gateway address

JN WG – Query / set gateway address of WIFI Interface

Description

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

Syntax

Command

JN WG	Query the current gateway address.
JN WG_«GatewayAddress»	Set the current gateway address.

Responses

JN WG_A_«GatewayAddress»	Current gateway address.
JN WG_A	Gateway address setting successfully performed.
JN WG_I	Command understood but currently not executable (device is currently executing another command, e.g. taring, or timeout as stability was not reached).
JN WG_L	Command understood but not executable (incorrect parameter).

Parameters / Return values

Name	Type	Values	Meaning
Gate-wayAddress	string		Gateway address (e.g. 192.168.0.99)

Comments

- All three commands, JN WA, JN WK and JN WG are required to enter sequentially for completing the setting of WIFI Interface.
- The exceptional case is activating the DHCP. The network mask and gateway address are not required. A single command "JN WA 0.0.0.0" can activate the DHCP of the WIFI Interface.
- It may take a few seconds to response to the command.

Examples

↓	JN WG	Send current gateway address.
↑	JN WG_A_192.168.0.99	The current gateway address is 192.168.0.99.
↓	JN WG_192.168.0.99	Set gateway address to 192.168.0.99.
↑	JN WG_A	Set gateway address setting successfully performed.

See also

→	JN WA – Query / set network address (IP)
→	JN WK – Query / set network mask