WES5 Series

Model # WES5-AX-CF

17 dBi Directional WES5 Single Transceiver

Introduction

This document provides basic info for wireless set up.

Use the camera application on your smart device to scan the code to access more info on the WES5 Series.

General Information

Your product may be custom-configured with the service code "KBC-PRE-CONF" or "WES5-SETUP". In those cases, refer to all provided pre-set configuration documentation in the box.

Inspect all contents upon receipt. Claims and discrepancies must be reported within 1 week of original product shipment from KBC.

Anything not up to your standards?
Contact KBC at info@kbcnetworks.com to obtain a return authorization and/or replacement. The standard warranty covers defects or failures due to normal usage.

Contact Us Now:

KBC Networks is committed to product and customer support.

(949) 503-3470
Mon-Fri 6a-5p Pacific / 9a-8p Eastern

Ask a question @
www.kbcnetworks.com/WES5-series

info@kbcnetworks.com

www.kbcnetworks.com

kbcnetworks.com/WES5

2-year repair warranty

802.3af or passive 48V PoE needed

Power box enclosure available to power/connect camera(s) and wireless

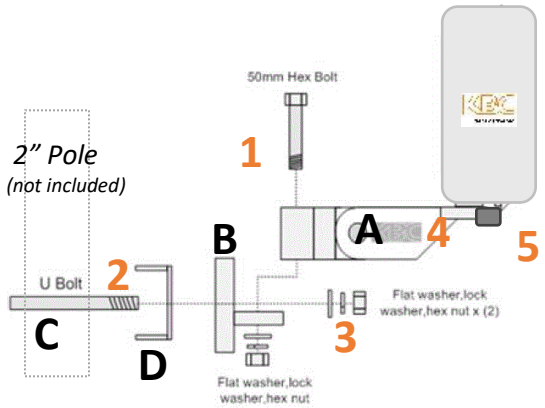
If using with a solar kit, disable Wi-Fi-0 for power conservation mode.

Item missing? Check contents below and report within 1-week

Default Configurations

Parameter	Setting
LAN IP Address	192.168.1.202
GUI User ID	admin
GUI Password	password
DHCP Server Mode	Enabled
DHCP Server IP range	192.168.1.100 ~ 150
Wi-Fi-0 Mode	Access Point WDS
Wi-Fi-0 SSID	WES5-2.4G
Pre-shared Key	KBCnetworks
Mode/Frequency	802.11axg / auto
Chan Spectrum Width	40MHz
Wi-Fi-1 Mode	Access Point WDS
Wi-Fi-1 SSID	WES5-5G
Pre-shared Key	11111111
Mode / Frequency	802.11axa / auto
Chan Spectrum Width	160MHz

Mounting Instructions:



1. Attach "A" & "B" (hardware provided in "A")
2. With U-bolt "C" around pole, insert C through holes of the "D" pole mount clamp.
3. Attach A/B to C/D
4. Mount WES5 onto A/B using screws from WES5 mount base.
5. Remove cable gland, feed cable through and insert cable into LAN port; re-attach gland.
6. Align WES5 left/right and up/down as needed and tighten screw in "A/B" securely.

System Contents

WES5-AX-CF radio with integrated antenna

Pole mount kit *(shown assembled)* qty 1

Note: WES5-AX-CF is powered via 802.3af PoE or passive 48V PoE. No injectors supplied.

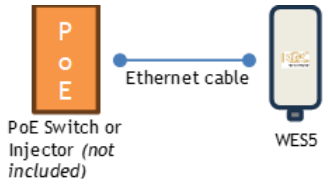
Qty	Description
1	WES5-AX-CF radio unit & attached Cable Gland
1	Antenna mounting baseplate *("A" in diagram)*
	2 - hex bolts previously installed into assembly
	2 - lock washer
	1 - flat washer
	1 - ¼" hex nut
1	Swivel bracket plate *("B" in diagram)*
1	Wall/pole mount bracket assembly kit including:
	1 - U bolt ("C" in diagram)
	1 - Pole clamp bracket *("D" in diagram)*
	2 - ¼" hex nuts *(one attached to 50mm bolt)*
	2 - ¼" flat washers
	2 - ¼" lock washers

Set Up - Simple PtP/MP Links

Choose one (or more) WES5 units to set into Client mode and hold aside one unit to be the Host device.

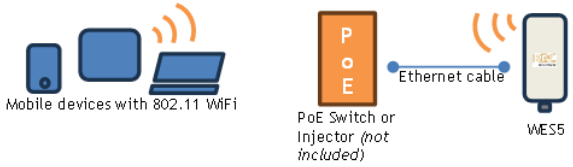
1. Power up WES5 unit

WES5 requires PoE input from an 802.3af PSE Device.

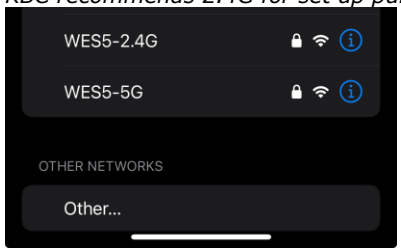


2. Connect to Web Browser GUI

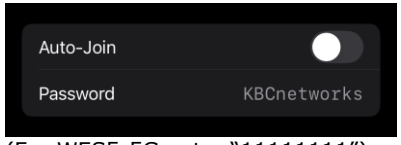
WES5 is default set as an access point device.



1. **Tap on either KBC SSID**
   KBC recommends 2.4G for set up purposes.

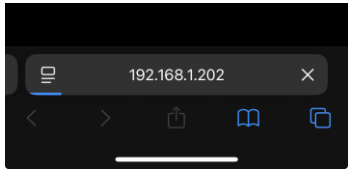


2. **Enter passcode**
   For WES5-2.4G enter "KBCnetworks"



   (For WES5-5G enter "11111111")

3. **Open web browser and enter 192.168.1.202**



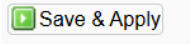
4. **Enter "password" to access the GUI**

5. **Click on "Network"**

6. **Click on "Wireless" then click "Edit" next to Wi-Fi-1 for 5GHz radio.**

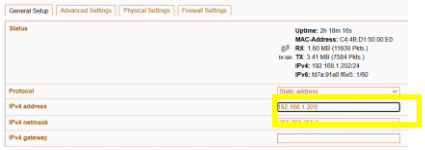
7. **Under "Interface Configuration" on the General Setup, select "Client WDS"**

8. **Click "Save & Apply"**

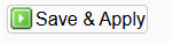


9. **Click "Network" then "Interfaces" then "Edit"**

10. **Change Static LAN IPV4 address**



11. **Click "Save & Apply"**



12. **Record all changes for future reference.**
13. **If additional Client devices are needed for the same Host set them as per steps 1~12 but address static IPs separately.**
14. **If you have multiple Hosts, access the Host interface of Host 2 and subsequent devices and change Wi-Fi-1 ESSID.**

WES5 Status Indicators

PWR
- ● 48V PoE Power applied.
- ○ No power to unit.

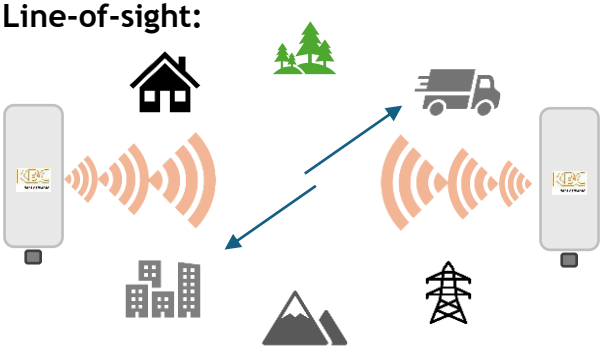
1G
- ● Link activity established
- ★ Link activity (flashing)
- ○ No link to device.

N/A – Not used

(All S1~S4 LEDs should be lit up; i.e., S2 will not light if S1 is not on; S3 will light if S1 and S2 are both on.)

S1	● Weak RF signal	○ No RF link
S2	● Weak RF signal	○ No/poor link
S3	● Mediocre signal	○ No/mediocre link
S4	● Ideal RF signal	○ No/good link

Line-of-sight:



NOT line-of-sight:

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