QSG-WES3HTG_Series-Rev1807 Copyright © KBC Networks Ltd. 2018

Consists of:

(2) WES3HTG-AX-CA

(2) WES3HTG-AX-CA

(2) WES3HTG-AX-CA

(2) WES3HTG-AX-CA

(2) WES3HTG-AX-CA

Model Number

WES3HTG-KT-P5

WES3HTG-KT-P5T

WES3HTG-KT-P8

WES3HTG-KT-P8T

WES3HTG-KT

www.kbcnetworks.com

/ SDR24048

Additional

ESUGS4-P2-B & DR12048 / SDR12048

- -

Equipment Included:

ESUGS8-B & DR24048

Client IP Address:

192.168.1.151

192.168.1.151

192.168.1.151

192.168.1.151

192.168.1.151

Quick Start Guide

Introduction

Welcome to KBC Networks' Quick Start Guide for the high throughput version of WES3, WES3HTG unlicensed 5GHz Wireless Ethernet System. This guide has been designed to provide a step-by-step guide to setting up a WES3HTG wireless link.

The WES3HTG is also often utilized as a Multipoint Receive Host linking to two or more standard throughput WES3 Client transmitters. This guide also features a set up for multipoint configuration, however for future reference, ask us about our pre-configuration service where the units are set up to communicate out of the box.

Downloads/Specifications

Full specifications, features and additional information can be found on the WES3HTG product page on the KBC website <u>here</u> as well as in the downloads section: <u>https://www.kbcnetworks.com/resources/downloads</u>

General

Check the product upon receipt for any visible damage which may have been caused during shipping. Claims and discrepancies must be reported within 1 week of original product shipment from KBC. See below for model numbers and system contents.

Model Number	For use in:	Antenna	na Power Requirement Field of Vi	
WES3HTG-AX-CA	Americas	17dbi		20%
WES3HTG-AX-CB	UK, Hong Kong			
WES3HTG-AX-CC	Europe	directional	TEEE802.3ar POE @48VDC	30
WES3HTG-AX-CE	Australia			
WES3HTG-AX-BA	Americas			
WES3HTG-AX-BB	UK, Hong Kong	9dbi		65°
WES3HTG-AX-BC	Europe	directional	TEEE802.3af POE @48VDC	
WES3HTG-AX-BE	Australia			
WES3HTG-AX-AA	Americas			
WES3HTG-AX-AB	UK, Hong Kong	5dbi omni-		360°
WES3HTG-AX-AC	Europe	directional	TEEE802.3ar POE @48VDC	
WES3HTG-AX-AE	Australia			
WES3HTG-EXP-CA	Americas only	External antenna(s) needed separately	120VAC wired direct into the class 1 div 2 housing	

Model Numbers - Factory Configured Host/Client Point to Point Kits (Americas Only)

Host/AP IP

192.168.1.150

192.168.1.150

192.168.1.150

192.168.1.150

192.168.1.150

Address:

Model Numbers - Individual Units





System Contents - WES3HTG-AX-CA /-CB, -CC, -CE & WES3HTG-AX-BA /-BB, -BC, -BE Versions

Qty	Desc	cription	
1	WES3HTG RF module with integrated directional antenna		
1	48Vc	tc power supply (WES3HTG can also power via standard POE without need for PSU)	
1	Gigal line)	bit Ethernet POE passive injector (WES3HTG can also power via standard POE without this device in	
1	Strai	n-relief external RJ45 LAN port seal	
1	Quicl	k Start Guide	
1	WES	3/WES3HTG series Pole/Wall Mounting Kit which includes:	
	Qty	Description	
	1	Pole clamp bracket	
	1	Bracket body (L/R swivel piece)	
	2 Connecting pieces (up/down alignment)		
	2 50mm, 1.98" long 1/4" hex bolt		
	2	¼" hex nuts	
	1	27mm, 1.06" long ¼" hex bolt	
	2 Flat washers 15mm, 0.59"		
	2 Locking washers 10mm, 0.39" long		
	1	U-bolt	
	2	¼" lock washers	

Note: all versions of WES3HTG units, except for the explosion proof model, contain the above list of pole/wall mounting assembly kits.

System Contents - WES3HTG-AX-AA /-AB, -AC, -AE Omni-Directional Versions

Qty	Description
1	WES3HTG RF module with (2) external N-connector antenna ports
1	48Vdc power supply (WES3HTG can also power via standard POE without need for PSU)
1	Gigabit Ethernet POE passive injector (WES3HTG can also power via standard POE without this device in line)
1	Strain-relief external RJ45 LAN port seal
2	5 dBi Omni-directional Antennas
1	Quick Start Guide
1	WES3/WES3HTG series Pole/Wall Mounting Kit

System Contents - WES3HTG-EXP-CA (US and North America only)

Qty	Description
1	WES3HTG RF module mounted in intrinsically safe housing (will not spark or cause explosion) with external N-connectors for use with non-sparking 5 GHz antennas (antennas not included)
1	Quick Start Guide
Note	This unit is powered via direct wired $120VAC$, all cables coming into and leaving the class 1 div 2

Note: This unit is powered via direct wired 120VAC; all cables coming into and leaving the class 1 div 2 enclosure must be intrinsically safe as well therefore it is not set up to be powered via POE.

Physical Deployment

This equipment must be installed and operated in accordance with instructions found in this document. Failure to comply with these instructions will invalidate warranty.

All wireless units should be programmed and bench tested install installation. KBC recommends creating a master network diagram to record all IP addresses and key network information.



data delivered

WES3HTG Factory Default Settings (unless ordered in WES3HTG-KT or similar kits or preconfigured systems when "KBC-PRE-CONF" service was ordered)

Parameter	Setting
LAN IP Address	192.168.1.152
GUI User Name	admin
GUI Password	password
Mode	Access Point (WDS)
Channel/Frequency	161 (5.805 GHz)
Channel Spectrum Width	20/40/80
SSID	WES3HTG
Pre-shared Key	1111111
MAC-Filter	Disabled
TX Power Output	Мах
Antenna Gain	17

Connecting to a WES3HTG RF Module

KBC Networks recommends shielded, outdoor-rated, straight-through Ethernet cables when connecting near power outlets and when exposed to the elements.

WES3HTG-AX-CA /-CB, -CC & -CE WES3HTG-AX-BA /-BB, -BC & -BE WES3HTG-AX-AA /-AB, -AC & -AE





You may also be using a KBC "Power Box" for the Client unit at the pole. In that case you would not power via the supplied injector but rather from the POE switch or 48V injector built-into the "SPB" power enclosure. These are the "SPBs" which support the WES3HTG series:





QSG-WES3HTG_Series-Rev1807 Copyright © KBC Networks Ltd. 2018

Model	Powers/Connects
KBC-SPB-1AF-48	One <15W draw IP camera and one WES3HTG series node
KBC-SPB-1AT-48	One <30W draw IP camera and one WES3HTG series node
KBC-SPB-4AF-48	Up to 4 <15W draw IP cameras and one WES3HTG series node
KBC-SPB-4AF-48	Up to 2 30W draw IP cameras and one WES3HTG series node
KBC-SPB-48-48	(2) WES3HTG series nodes in a wireless relay format in a location where there are no cameras to connect as well.
KBC-SPB-4AF-48	Up to 3 <15W draw cameras (or one 30W camera) and (2) WES3HTG series nodes in a wireless relay format in a location where there are cameras to connect as well.
KBC-SPB-HPoE-48	One <70W draw IP PTZ and one WES3HTG series node
KBC-SPB-4AF-48-70W	One <70W draw IP PTZ and either two (2) WES3HTG series node or one additional low wattage draw camera and a WES3HTG wireless node.

Configuring WES3HTG for Point-to-Point and Point to Multipoint

PTP = Point-to-Point / PTMP = Point to Multipoint

Configuring the AP/Host Antenna

- 1. Set laptop to static IP on 192.168.1.xxx network
- 2. Connect to WES3HTG RF module as shown in previous section.
- 3. Once WES3HTG RF module is connected to power source, the power LED light on the back of the unit will turn on. After 30-60 seconds you may hear the WES3 "beep", which is normal, alerting you that it is booted up.
- 4. Once WES3HTG is connected to laptop, or switch, the network LED on the back of the unit will turn on and flash to indicate link activity.

Open a web browser and type in the factory default IP address 192.168.1.152

New Tab	×	
$\ \ \leftarrow \ \ \rightarrow \ \ \mathbf{C}$	192.168.1.152	

Note: factory pre-configured "kitted" WES3HTG units (ie WES3HTG-KT and WES3HTG-KT-P5) are set to 192.168.1.150 for the Host unit and 192.168.1.151 for the Client device.

If using a WES3HTG-KT, WES3HTG-KT-P5, WES3HTG-KT-P5T, WES3HTG-KT-P8 or a pre-configured system using "KBC-PRE-CONF" service code, skip the following configuration steps and go to the "Instructions for Physical Deployment" at the bottom of this guide.

5. Enter 'password' to access the Status page

Authorization Required		password	
Please enter your username and password.		}]
Username	adm/n		
Password	<u>></u>		

6. The first step is to change the LAN IP Address. Click the Network tab then click 'Edit'



Status System Netw	Logout	
Interfaces Wireless	Diagnostics	
Interfaces		~
Network	Status Untime: 1h 19m 14s	Actions
LAN	LAN MAC: 3C:0F:C1:02:51:5B	
🌮 (🛃 🖉 🙊) br-lan	RX : 1.47 MB (11206 Pkts.) TX : 2.43 MB (7736 Pkts.)	😸 Connect 👹 Stop 🛃 Edit
	IPv4: 192.168.1.202/24	

7. Change the IP Address then click 'Save & Apply'

Status System Network Logout	
Interfaces Wireless Diagnostics	
LAN	
Interfaces - LAN General Setup Status	It is not a requirement but KBC Networks strongly recommends using a static IP address. Best practice for wireless CCTV is to have all IP cameras, switches, devices, KBC antennas and NVR set to static IP addresses on the same network range on the same subnet.
Protocol	static v
IPv4 address	192.168.1.202
IPv4 netmask	255.255.255.0
IPv4 gateway	
	In the sected of the secte

- 8. After the IP address is updated it will take you back to the Login page and your browser will now be at the new IP address. If you don't get to the Login page make sure you don't have an IP address conflict and ensure your laptop is set to the same network range and subnet as the WES3HTG.
- 9. Now that you have logged back in notice you are on the **Status** page



- Highlighted are the SSID & Radio MAC Address (shown as 'APHost MAC')
- For each PTP and PTMP wireless system to connect, the APHost and client(s) need to be networked together using the SSID and Radio MAC Address fields
- KBC recommends the APHost and Client(s) share a unique SSID.
- KBC also recommends the APHost be MAC locked to each client and each client should be MAC locked to its APHost
- The radio MAC address can be found on the Status page (as shown above) as well as on the back of each WES3HTG RF module (as follows)



10. Click on the SSID as shown or click 'Network → Wireless → Edit'

Wireless

Wireless Radio	SSID: WES3HTG	Encryption: WPA2 PSK (AUTO)
Click on the SSID here for a	Channel: 149 (5.745 GHz)	DFS Status: Disabled
shortcut to the Wireless Settings	Bitrate: 300 Mbit/s	Client MAC:
page	APHost MAC: 3C:0F:C1:02:51:	:5D

11. Now in the Wireless Settings – Confirm that the SSID matches each client antenna. If you change the SSID click 'Save & Apply'

Wireless Interface	Note: already set to Access Point Mode
Mode	Access Point (WDS)
SSID	WES3HTG
Data Rate (Mbps)	Auto 🔻
13	loo Reset or Save I Save & Apply

12. Click on the MAC Filter tab if this feature is desired. It is recommended for enhanced security, however not required for the radios to link.

Wireless Interface 13		
General Setup Wireless Security MAC F	Iter Advanced Settings	
MAC-Address Filter	Allow listed only	· 14
MAC-List as 3C:0F:C1:xx:xx:xx	15 3c:0f:86:75:30:99	×
		16
		17
		Reset Save Save Apply

- 13. Enable the MAC-Address filter by clicking on the drop down menu to select 'Allow listed only'
- 14. Enter the radio MAC Address of each client antenna in the box
- 15. To enter more than one radio MAC address, click the green + icon to add another field
- 16. When complete click 'Save & Apply'
- 17. If there is more than one PTP or PTMP system at one location, each APHost needs to be set to a different unique channel or frequency. Select the channel.
- 18. Click 'Save & Apply'

K	BC
da	ata delivered

General Setup Advanced Settings	
Connection Status	Mode: APHost-WDS SSID: WES3HTG APHost MAC: 3C:0F:C1:02:51:5D Encryption: WPA2 PSK (AUTO) Channel: 149 (5.745 GHz) Tx-Power: 24 dBm Signal: -95 dBm Noise: -95 dBm Bitrate: 300.0 Mbit/s Country: United States
Wireless Profile	KBC WES3HTG AC
Channel Spectrum Width	20/40/80 MHz
Channel 18	149 (5.745 GHz) 🔹
Antenna Gain (dBi)	17
Transmit Power	Max
	Available Max RF Power in dBm:23
	@Reset Save Disave & Apply

Configuring the Client Antenna

- 19. Leave WES3HTG APHost antenna plugged in and powered up. Connect directly to the client antenna and repeat steps 1-11
- 20. Look at the bottom of the page under 'Wireless Interface' on the 'General Setup' tab. Look at the 'Mode' field and select 'Client (WDS)" from the drop-down menu

Mode	Client (WDS)	, 21	
SSID	WES3HTG		<
REMOTE MAC	6		
Data Rate (Mbps)	Auto	T	

- 21. Verify that the SSID matches the SSID of the APHost antenna.
- 22. Enter the radio MAC address of the AP host antenna into the "Remote MAC" field. For help see step 10. Wireless Interface

1ode	1.00	Client (WDS)	•	
<u>ISID</u>	22	KBC_WES3		
REMOTE MAC		WES3HTG	23	
Data Rate (Mbps)		Auto		24

Reset Save Save Save & Apply

23. Click "Save & Apply"

24. Now the Client and APHost are wirelessly connected. Verify wireless connection by looking at the

Connection Status' information.				
Wireless Network: Client-WDS "KBC_WES3" (Act	tive)			
General Setup Advanced Settings		Mode: Client-WDS	SSID: WES3HTG	12 DOL (COND)
	27	Channel: 140 (5.74 100% Signal: -36 dBm N Bitrate: 300.0 Mbit/	S GHz) Tx-Power: 24 dBm oise: -95 dBm s Country: United States	6
Wireless Profile		KBC WES3	*	
Channel Spectrum Width	· · · · · · · · · · · · · · · · · · ·	20/40 MHz	۲	
Channel	28	Auto	•	
Antenna Gain (dBi)		17		
Transmit Power		Max	•	

Available Max RF Power in dBm:23

- 25. KBC recommends that the wireless signal strength is greater than 40 but less than 70.
 - Wireless Signal Strength = difference between noise & signal
 - \checkmark Signal = -36dbm
 - \checkmark Noise = -95dbm
 - ✓ Wireless Signal Strength = 59dbm (ie, in the 40-65 range)

- 26. You can also confirm that the wireless status bar is close to 100%
- 27. While there is a frequency selection on the Client interface, the frequency is always driven by the APHost so no matter what channel for which the Client is selected, it will connect to its Host frequency provided that the SSID, PSK and radio MAC-filter security feature (if enabled) are all entered correctly to link wirelessly.
- 28. The same information can be found on the Status page

Wireles	s Connections (1)								
	MAC Address	Network	Device Name	Last IP 🕂 Signal	Signal/Chains	Noise	TX Rate	RX Rate	TX-CCQ
4	3C:0F:C1:02:51:5D	WES3HTG		A -36 dBm	-38,-40 dBm	-95 dBm	300.0 Mbit/s	6.0 Mbit/s	100 %

29. The final confirmation step is to click on the Network tab → Diagnostics. Enter the IP address of the APHost in the field provided. Click on the Ping start button and confirm that you get 5 packets transmitted and received with 0% packet loss. The average ping time should be under 10ms for most applications. Please contact KBC Networks technical support if this test fails.

Status System Ne	twork Logout
Interfaces Wireless	Diagnostics
Ping Utility	
192.168.1.200	
Ping	
PING 192.168.1.200 (192.168	.1.200): 56 data bytes
64 bytes from 192.168.1.200 64 bytes from 192.168.1.200	: seq=0 tt1=64 time=3.855 ms : seq=1 tt1=64 time=1.827 ms
64 bytes from 192.168.1.200	: seq=2 ttl=64 time=1.853 ms
64 bytes from 192.168.1.200	: seq=3 tt1=64 time=1.873 ms
64 bytes from 192.108.1.200	: Seq=+ tt1=0+ time=1.020 ms
192.168.1.200 ping stat	istics
5 packets transmitted, 5 pa round-trip min/avg/max = 1	ckets received, 0% packet loss 827/2 246/3 853 mc

Connecting multiple standard WES3 Clients to one WES3HTG Host/AP

Often the WES3HTG series is used as a high throughput 'receiver' for multiple remote locations using the WES3 as 'transmitters'. Your system may have been pre-configured by our factory when the service code "KBC-PRE-CONF" was ordered. If that service was not ordered then ensure these parameters in order to link them to one another.

Parameter	WES3 Default Setting	WES3HTG Default Setting	Field Reconfiguration to:
LAN IP	192.168.1.152	192.168.1.152	All but one to avoid IP conflicts. Record all IP changes!
GUI User Name			
GUI Password			
Host/Client Mode	Client Host (Access Point WDS) Host (Access Point WDS) All WES3 unit mode; keep WDS Mode.		All WES3 units change to Client WDS mode; keep WES3HTG in Access Point WDS Mode.
Channel/Freq	161 (5.805 GHz)	161 (5.805 GHz)	N/A (unless a more appropriate frequency is needed in the environment)
Spectrum Width	20/40	20/40/80	N/A (unless a more appropriate spectrum width is needed in the environment)
SSID	KBC_WES3	WES3HTG	All Clients must match Host setting; change to your desire. Record changes.
Pre-shared Key	1111111 1111111		Not required to change, however, KBC recommends changing from default for security purposes.
Remote MAC N/A N/A		Only applicable to Client Mode: enter radio MAC of WES3HTG host if this setting is desired (recommended).	
MAC-Filter	Disabled	Disabled	Only applicable to Access Point mode: enter radio MAC of each remote wireless Client unit to be connected to the Host if this setting is desired (recommended).
TX Power Output	Мах	Мах	N/A
Antenna Gain	17	17	Change WES3HTG Host to appropriate setting depending on the model number: WES3HTG-AX-AA \rightarrow 5 WES3HTG-AX-BA \rightarrow 9 WES3HTG-AX-CA (keep at 17)



Instructions for Physical Deployment

This equipment must be installed and operated in accordance with instructions found in the KBC Networks' manual. Damage due to misuse is not covered by warranty.



- 1. Feed the Ethernet cable through the black weather coupler protection piece prior to crimping on the RJ45 connector.
- 2. Hand-tighten the Ethernet cable connection protecting piece, do not tighten further. Damage due to overtightening the black weather coupler into its RJ45 housing is not covered under warranty.
- 3. The Ethernet cable should have wiggle room to allow condensation to release. Leave a gap small enough to keep out bugs and such but open to allow moisture to release and drip down the cable away from the port.
- 4. Do not mount the antennas horizontally or upside down. The black external LAN port should point downwards.
- 5. Once the cable is inserted into the external LAN port RJ45, a small flat head screwdriver, or similar tool, is needed to release the tab of the RJ45 connector on your cable. If you pull the cable without releasing the tab, it will damage the port.

Trouble-shooting

Contact KBC for technical assistance. Here are some ideas to try.

Problem	Suggestion		
No signal strength LEDs	Ensure Host in Access Point WDS mode and Client(s) in Client WDS mode. Ensure that all Clients are set to matching parameters as Host. Many times when the MAC filter is enabled there is an incorrect character. Verufy all characters match exactly or try disabling and erasing the "Remote MAC" from the Client side. If they link after disabling that feature then it is likely that an incorrect MAC or character was used.		
Not all signal strength LEDs light up	Ensure clear wide-open line of sight. If you have even just one signal strength LED then the configurations are likely correct. Try improving the alignment of the antennas and/or another frequency in case the problem is related to RF interference in the environment.		
Unit reboots itself continuously after a couple of minutes	The "Ping Watchdog" feature may be turned on and is configured improperly. Check the feature (system/tools) and disable to see if the constant auto-reboot stops.		
Unit stops connecting to mate antenna until a power reset is performed	 This is symptomatic of 3rd party RF interference. Attempt the following suggestions: Run a scan from the Host (Network/Wireless/Spectrum) to determine the least noisy frequency and set the Host to that channel. Reduce channel spectrum width Lower power output or try another antenna gain option Enable one of the self-healing tools such as aout-reboot by hours or ping watchdog. 		
No Network LED	Check all Ethernet cabling and LAN ports on all devices connected to WES3HTG unit.		
No access to GUI; cannot ping IP **NOTE: your system may have been pre-configured. Check provided documentation for unit IP address per serial number.	If working with one of the kits, the default IP is either 192.168.1.150 or 192.168.1.151. The IP would only be 192.168.1.152 after performing a hard reset (see warning for this process below). It is important to record all changes. If the IP address is changed from default there is no way to recover it if forgotten other than a restore to defaults. Having to hard reset will be a time consuming effort.		

WES3 LED Status Indicators

★ Flashing LED ● Solid LED O LED off

Wireless Signal Strength (see #25 above for notes on signal strength levels) WSS

1.	RSSI4/STATUS	*	In power-up / boot-up process 40+ RSSI
		0	WSS less than 40 or no wireless link
2.	RSSI3	•	30-39 RSSI WSS less than 30 or no wireless link
3.	RSSI2	• 0	20-29 RSSI WSS less than 20 or no wireless link
4.	RSS1		10-19 RSSI
		0	WSS less than 10 or no wireless link
5.	NETWORK – Ethernet link activity - LAN	• * 0	Link activity established Link activity from wireless unit to connected Ethernet device or across wireless link No link to Ethernet cable connected device (not indicative of wireless link/strength)
6.	Power		Power applied
		0	No power to unit.

Factory Reset to Default via GUI

Note: The LEDs do not change color.

- 1. Click on 'System' then 'Firmware'
- 2. Click on 'Perform Reset'

Status System Network Log	out
System Administration Service	rmware Reboot
ash operations	
Click "Generate archive" to save the current	configurations. To reset the firmware to KBC defaults, click "Perform reset".
Download backup:	Generate archive
Reset to KBC defaults:	A Contract C

Factory Reset to Default via Hard Reset Button

WARNING: A hard reset to defaults will erase all saved info including the system requirements for a wireless connection. When possible, save a copy of the config file to a known and accessible location and record all changes made to the WES3 device.

RESET AT USER RISK: Incorrect reset procedure can result in damage to the internal board and require a return to KBC Networks or need for replacement at user cost. If the button is pushed but not held for the duration of the reset process it MUST be powered down and retry. Do not press the button without powering down and restarting.

- 1. Power up the WES3 RF module and allow it to go through its power up process.
- 2. Remove the Phillips head screw near the port on the bottom of the WES3 RF module.
- Insert a small screwdriver or paperclip into screw hole in order to push the reset button.
 Hold the button for 12-15 seconds and release.
 RF module will reset to the WES3 factory default settings found on page 1 of this guide.



Warranty Information

See our website at: <u>https://www.kbcnetworks.com/policies-procedures/general-content/about-us/policies-procedures</u> for warranty information covering all of KBC Networks products.

Compliance FCC

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- 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 A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operations of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Industry Canada

This Class A digital apparatus complies with Canadian ICES-003. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (E.I.R.P.) is not more than that permitted for successful communication. This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

- This device may not cause interference, and
- This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil numérique de la classe A est confrome à la norme NMB-003 Canada. Pour réduire le risque d'interférence aux autres utilisateurs, le type d'antenne et son gain doivent être choisies de façon que la puissance isotrope rayonnée équivalente (PIRE) ne dépasse pas ce qui est nécessaire

pour une communication réussie. Cet appareil est conforme à la norme RSS Industrie Canada exempts de licence norme(s). Son fonctionnement est soumis aux deux conditions suivantes:

17 Compliance

- Cet appareil ne peut pas provoquer d'interférences et
- Cet appareil doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement du dispositif.

CE Marking

CE marking on this product represents the product is in compliance with all directives that are applicable to it.

This equipment may be operated in the following countries:

Great Britain and Northern Ireland, Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, Netherlands, Norway, Portugal, Romania, Switzerland, Sweden.

Installer Compliance Responsibility

Devices must be professionally installed and it is the professional installer's responsibility to make sure the device is operated within local country regulatory requirements.

RoHS/WEEE Compliance Statement

European Directive 2002/96/EC requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government

or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

Need Help?

Please visit our website <u>http://www.kbcnetworks.com</u> or contact your nearest KBC office or dealer.

KBC Networks Office Contact Information

North & Latin America, USA

Phone:	+1 949 297 4930
Toll-free:	+1 888 366 4276
Email:	techsupport@kbcnetworks.com

EMEA, UK

Phone:	+44(0)1622 618787
Email:	emeatechsupport@kbcnetworks.com

APAC

Phone (1):	+86 25 8688 3321
Phone (2):	+86 25 8688 4058
Email:	techsupport@kbcnetworks.com

Singapore

Phone:	+65 98463323
Email:	apactechsupport@kbcnetworks.com