ELITE OPTX JK.70
PREMIUM HEADLIGHTS WITH CAMERA

PROJECT X

Model No. HL538822

IMPORTANT SAFETY INFORMATION

- SAVE THESE INSTRUCTIONS – This manual contains important safety and operating instructions.

- Before using this product, read all instructions and cautionary markings.

- Remove negative battery cable before installation.

- Ensure the headlights are fitted using the appropriate wiring harness or an equivalent auxiliary wiring system.

- Ensure the lights are mounted securely to a solid surface on the vehicle.

- Cables connected to the light must not be subjected to wear or other damage.

- Do not operate device in proximity to flammable or combustible objects.

- Do not operate or disassemble the product if it has been dropped, received a sharp blow, or otherwise damaged in any way - replace it immediately.

- To reduce risk of damage or electric shock, disconnect the headlight from the vehicle battery before attempting any maintenance. Turning off controls will not reduce this risk

TECHNICAL SPECIFICATIONS

HEADLIGHT

Input Voltage:	12V DC
Operating Voltage Range:	10V - 30V DC
Current Draw 12V DC:	High Beam: 2.85A @0.58A
	Low Beam: 2.00A @0.40A
Operating Temp:	-40°F ~ 140°F
Waterproof Rating:	IP67
Weight:	5.54 lbs
Raw Lumens:	High Beam: 3000 lm
	Low Beam: 2000 lm
Effective Lumens:	High Beam: 1645 lm
	Low Beam: 909 lm
Beam Pattern:	Forward Lighting – High Beam
	Forward Lighting – Low Beam
	DRL (Diffuser)
	Position (Diffuser)
Color Temp:	Hight/Low Beam: 5900K
	DRL/Position: 5700K

CAMERA

|	
Input Voltage:	12V DC
Working Voltage:	10V - 14V
Effective Current:	0.38A
Wireless Range:	33 Feet/10 Meters
	(without interference or obstruction)
Operating Temp:	14°F ~ 122°F
Waterproof Rating:	IP67
Resolution:	4K (Driver Side)
	1080P (Passenger Side)
View Angle 4K Camera:	FOV: 138°
View Angle 1080P Camera:	FOV: 121°

INCLUDES

2× 7" JK HEADLIGHT
1× 4K CAMERA (INSTALLED)
1× 1080P CAMERA (INSTALLED)

1x Camera Antenna

1x 128GB MicroSD (Installed)

1x Pigtail Kit

5x Stickers
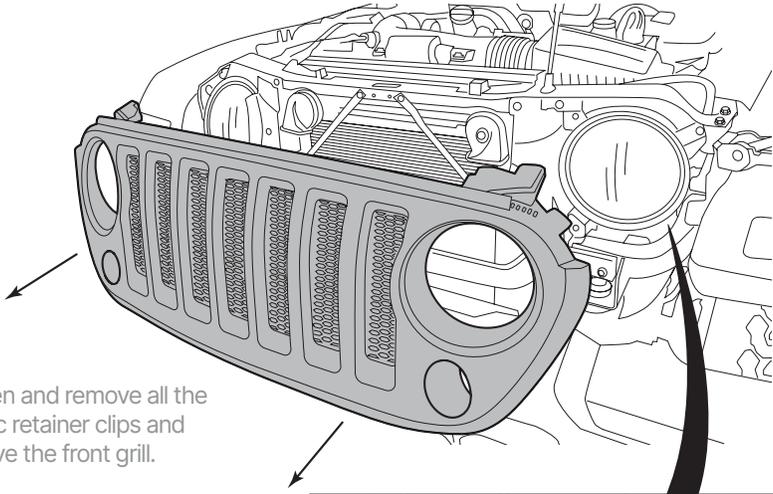
- Loosen and remove all the plastic retainer clips and remove the front grill.
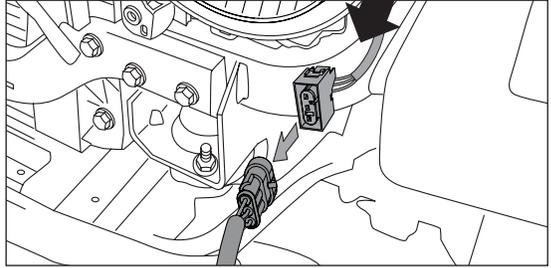
- Unplug the wire harness behind both turn signal lights.
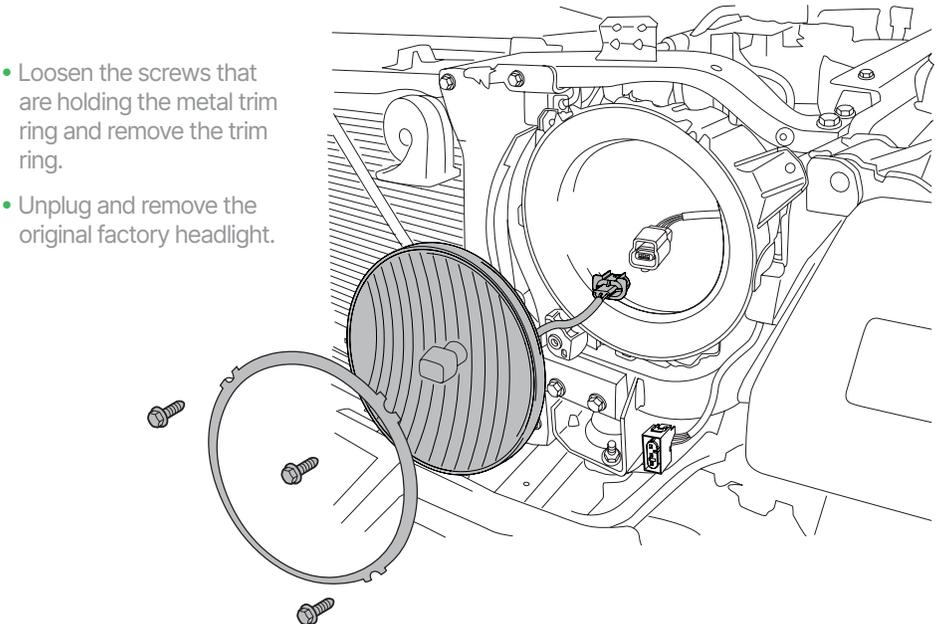
- Loosen the screws that are holding the metal trim ring and remove the trim ring.

- Unplug and remove the original factory headlight.

INSTALLATION

• Install the Elite Optx JK.70 Headlight into the headlight bucket base.
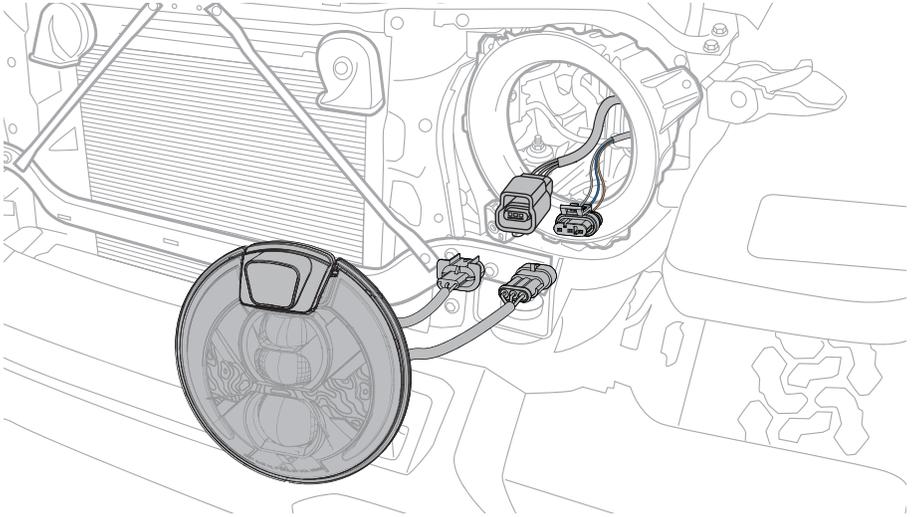
WIRING

Refer to the illustration below and connect different parts of the headlights to your vehicle.

WARNING: Disconnect the negative terminal on the vehicle's battery prior to installation. Do not allow the wires or metal ends to come into contact with each other, as this may cause damage to the product as well as your vehicle's battery, charging system, and/or electronics.

**HEADLIGHT WITH
4K CAMERA
(DRIVER SIDE)**
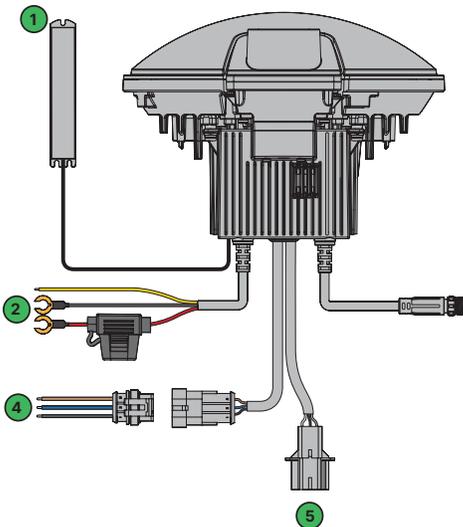
**HEADLIGHT WITH
1080P CAMERA
(PASSENGER SIDE)**
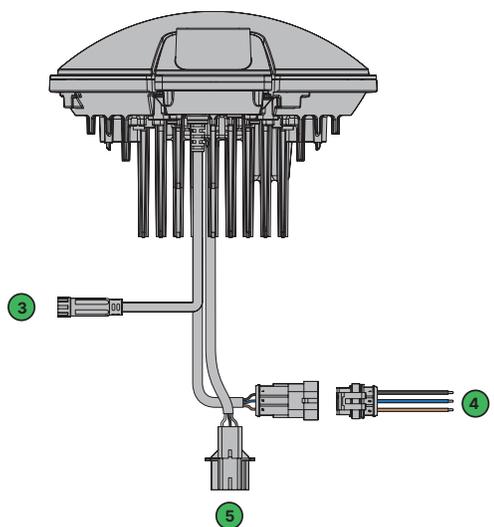
WIRING

1 CAMERA ANTENNA

Route the antenna cable and place the antenna near the dashboard. Clean the area you desire thoroughly with isopropyl alcohol to ensure a good sticking surface. Peel off the 3M VHB™ double sided tape backer and mount the antenna on any flat surface.

NOTE: Please test the signal strength using the App for best mounting spot before peeling off the tape backer.
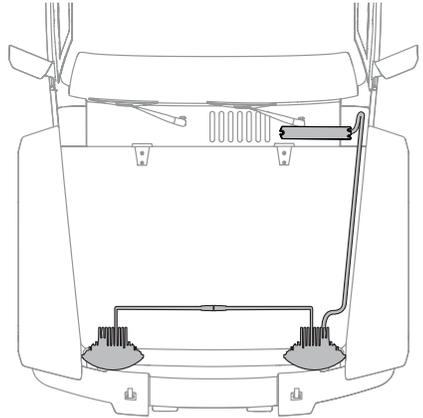
2 WIRE CONNECTION

Red Wire = Positive (+) Post
Black Wire = Negative (-) Post
Yellow Wire = ACC / Ignition Fuse
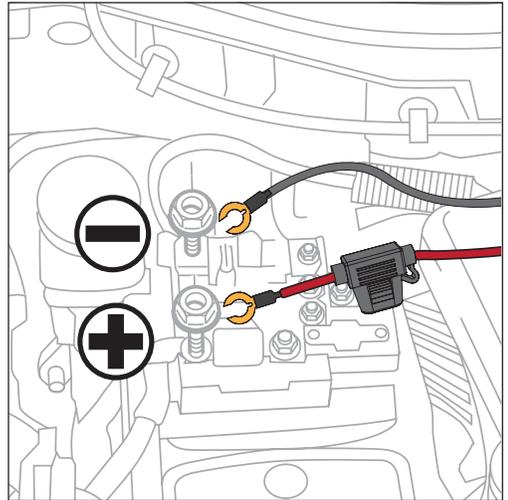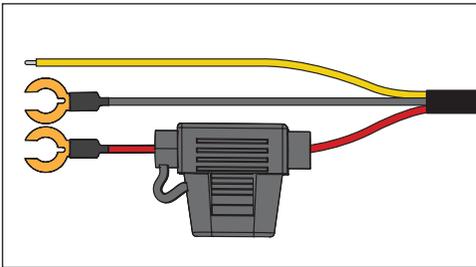
The hardwire cables are color coded, RED for POSITIVE (+) and BLACK for NEGATIVE (-). Connect the RED cable to the POSITIVE (+) battery clamp as illustrated. The POSITIVE battery post will be slightly larger than the NEGATIVE post, and will be marked with a PLUS (+) sign. There may also be a RED protective cover over the positive battery post. Connect the BLACK cable to the NEGATIVE (-) battery clamp as illustrated. The NEGATIVE will be marked with a MINUS (-) sign. There may also be a BLACK plastic protective cover over the negative battery post.

Every installation is unique. The above diagram is meant to be for illustrative purposes only. Professional installation is highly recommended.

When the Camera is connected to the vehicle's constant power source through hardwiring, it will monitor vehicle battery's voltage. The camera will perform low voltage cut-off when voltage drops around 12V.

WARNING: DO NOT mix up the cables or allow the metal ends to touch together because this may damage the battery, charging system and/or electronics on your vehicle. When installing, please make sure the battery is disconnected.

3M VHB™ is a trademark of 3M Company.

WIRING

③ POWER & SIGNAL CABLE

Connect the power & signal cable of both headlights to each other. Make sure the 3-pin weatherproof connectors are aligned and securely fastened. Route the cable away from the engine. The connectors are directional, make sure to connect to the correct position and fasten each end of the cap.
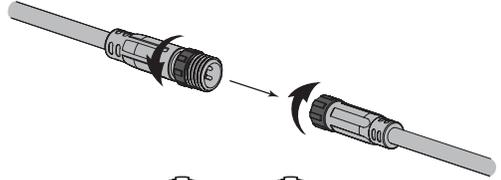
3-pin connectors

④ DRL & POSITION LIGHT

Connect the pigtail to the AMP Plug. Splice the pigtail wires to the fuse panel according to the below diagram.

1. **Black Wire** → Ground

2. **Blue Wire** → Daytime Running Light

3. **Brown Wire** → Position Light

Pigtail

AMP Plug
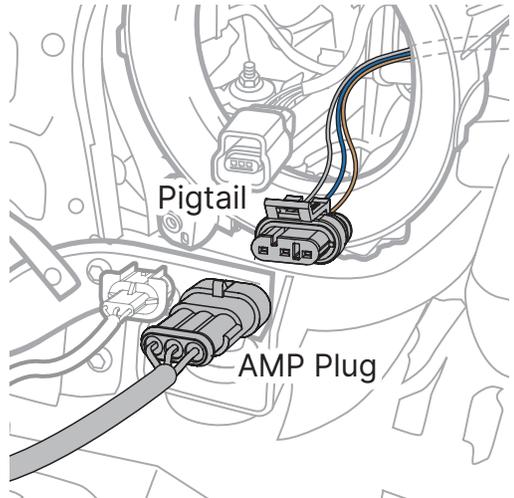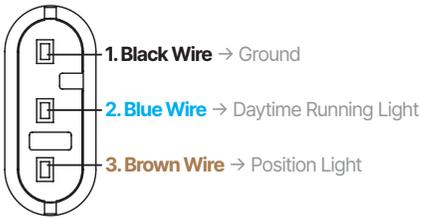
⑤ H13 PLUG

Plug in the H13 Plug. The installation is done. Reassemble everything and close the front grill.

DOWNLOAD APP

Download on the App Store

GET IT ON Google Play
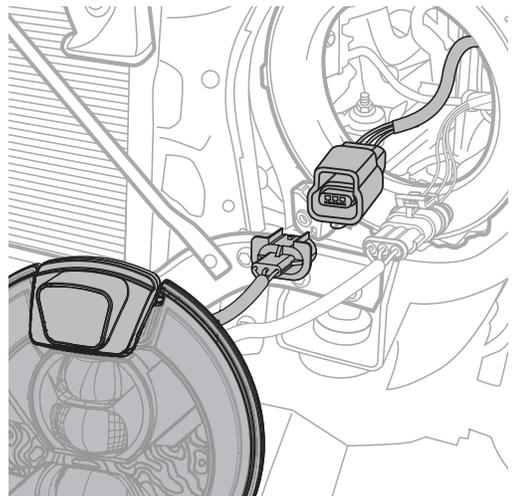
PROJECT X OFF-ROAD

Compatible with iPhone 4s and higher, iPad3, iPad Mini, iPad Air and higher, and iPod touch 5th Generation and higher. Requires iOS 9.0 or higher.

Compatible with phones with Android™ 5.0 or higher.

Scan the above QR code or search "PROJECT X Off-Road" in the App Store or Google Play. Download and install the App. Once installed, open the App and begin enjoying your PROJECT X Off-Road App.

NOTE: The App is only available on smartphones with apple iOS 9 or newer, and Android 5.0 or newer. The PROJECT X Off-Road App is not accessible from browsers or PCs.

iPhone, iPad and iPod touch are trademarks of Apple Inc.
Android is a trademark of Google Inc.

ADD DEVICE

We recommend that you connect a battery charger to the vehicle during the set up and pairing process if your vehicle is not running. Follow these instructions to add the Elite Optx JK.70 Premium Headlights with Camera to the App.

1. Tap **ADD DEVICE** on home page.

2. Tap **HEAD LIGHT**.

3. The App will search for nearby devices. Tap **WiFi SETTING**.

4. Tap **Settings** on the APP permissions setting page to enter your device's WiFi setting page.

ADD DEVICE
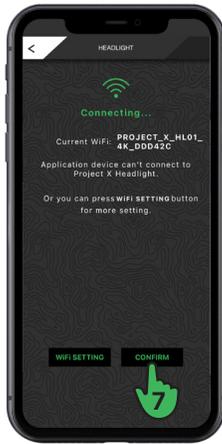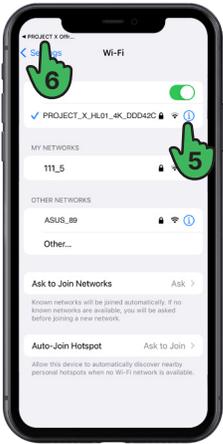
5. Look for the SSID "PROJECT_X_HL01_4K_XXXXXX". Enter the default password "12345678" and tap **JOIN THIS NETWORK**.
6. Return to the PROJECT X Off-Road App.
7. Tap **CONFIRM** to complete the connection.
8. Now the Headlight is added as a new device. Tap **HEAD LIGHT** to enter live view.
9. The Headlight is connected to the App successfully when you see this live view.

NOTE: For detailed instructions on customizing your accessories with the PROJECT X Off-Road App, check out our video library at www.projectxoffroad.com.

PRODUCT OVERVIEW – 4K CAMERA

1. Power Button
2. Power Reset Button
3. Micro USB input port
4. MicroSD card slot
5. LED Indicator
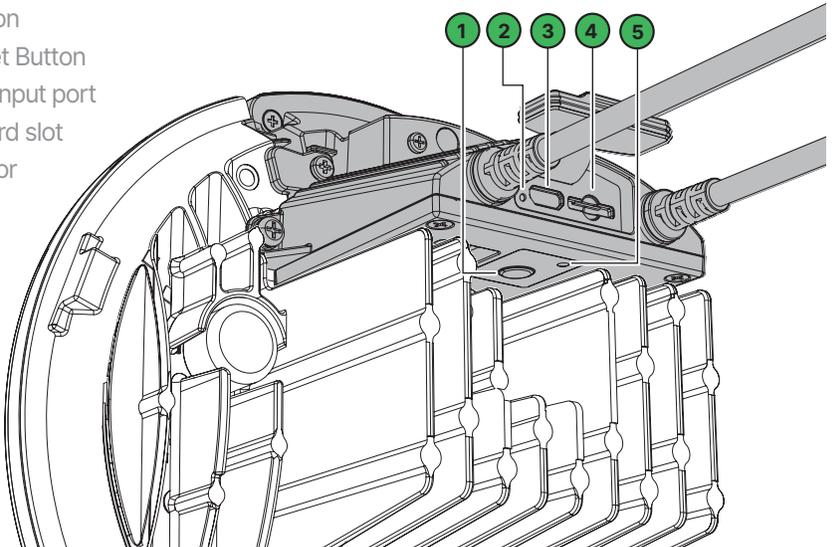
MEMORY CARD

NOTE: If you decide to use another MicroSD card, it is recommended that the card meets the following requirements:

- UHS: U3
- Video Speed Class: V30
- Application Performance Class: A2

The product will format the SD card automatically if the SD card can't be recognized or the SD card has read/write errors.

PARK & RECORD LOGIC

Camera	Mode	Behavior
4K Camera	Normal	Without time-lapse record, captures 30 frames per second.
1080P Camera	Normal	Without time-lapse record, captures 25 frames per second.
4K + 1080P Camera	Park & Record (Lapse 1 sec.)	Time-lapse record, captures 1 frame per second.
4K + 1080P Camera	Park & Record (Lapse 3 sec.)	Time-lapse record, captures 1 frame per 3 seconds.
4K + 1080P Camera	Park & Record (Lapse 5 sec.)	Time-lapse record, captures 1 frame per 5 seconds.

NOTE: The camera will switch into Park & Record Mode 10 minutes after the vehicle engine is off and the vehicle is not moving. The camera switches back to Normal Mode when engine starts.

POWER BUTTON

Button Functions	Description	LED status and color
Press once	Camera turns on	Red LED light flashes
Press once	Camera turns off	LED light turns off
Press & hold for 4-8 sec.	Reset settings to factory defaults	LED light turns off

POWER RESET BUTTON

Button Functions	Description	LED status and color
Press once	Camera reboots	Red LED light flashes

LED STATUS

Description	LED status and color
Recording	Red LED light flashes every 1 second
Recording stopped	Solid red LED light
Parking Mode	Red LED light flashes every 2 seconds
Firmware Upgrade	Red and blue LED light alternating

CAUTIONS

1. Do not install or the use the product if it, in any way, impairs the safe operation of your vehicle.

2. NEVER use the App while driving. Use it when the vehicle is stationary only.

3. Follow manufacturer's instructions to ensure the product is properly and safely installed.

4. Check your state or provincial laws before installing. Vehicle owner must comply with all applicable laws.

5. The manufacturer and seller are not responsible or liable for consequential, incidental, or indirect damages, whether to person or property, resulting from the installation or improper use of this product.

⚠ **WARNING:** This product can expose you to chemicals including Di(2-ethylhexyl) phthalate (DEHP) and Diisononyl Phthalate (DINP), which are known to the State of California to cause cancer and birth defects or other reproductive harm.
For more information go to www.P65Warnings.ca.gov.

WARRANTY

This PROJECT X product carries a Limited Lifetime warranty against defects in workmanship and materials subject to the conditions and additional warranty information available at:

www.projectxoffroad.com/pages/returns-warranty

DISCLAIMER OF WARRANTIES, INCLUDING WARRANTY OF MERCHANTABILITY AND WARRANTY OF FITNESS FOR PARTICULAR PURPOSE: EXCEPT AS SPECIFICALLY SET FORTH HEREIN, NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, IS MADE AS TO THE ELITE OPTX JK.70 PREMIUM HEADLIGHTS WITH CAMERA. PROJECT X AND/OR ITS AFFILIATES EXPRESSLY DISCLAIMS, WITHOUT LIMITATION, ANY STATUTORY WARRANTIES AND ALL IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

PROJECT X
2975 Red Hill Ave.
Ste. 100
Costa Mesa, CA 92626
USA

FCC COMPLIANCE STATEMENT

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.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or change to this equipment. Such modifications or change could void the user's authority to operate the equipment.

NOTE: 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 the 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.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm during normal operation.