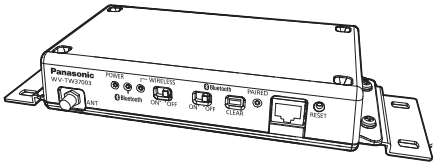
Panasonic®

Operating Instructions

Common Trigger Box

Model No. WV-TW37003



WARNING:

- The installation shall be carried out in accordance with all applicable installation rules.
- The connections should comply with local electrical code.
- To prevent fire or electric shock hazard, do not expose this apparatus to rain or moisture.
- The apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.

CAUTION:

- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

- Before attempting to connect or install this product, please read these instructions carefully and save this manual for future use.
- The model number is abbreviated in some descriptions in this manual.
- For information about the installation about this product, refer to the installation guide of BWC provided by your contact dealer.

Preface

- The Common Trigger Box ideally is installed in the car. By connecting with the Pairing Dock (option: WV-TW37004, WV-TW37004A), pairing between the BWC and Common Trigger Box is enabled, and the BWC can be charged.
- By connecting the Common Trigger Box and BWC via Bluetooth® communication, the recording of the BWC can be triggered by external input, or triggers already associated with the SA366 wireless module. Also, the BWC's operating information can be relayed to the external devices.
- The Common Trigger Box can be connected with the existing model SA366 via Wireless LAN communication.

For U.S.A.

The model number and serial number of this product may be found on the surface of the unit.
You should note the model number and serial number of this unit in the space provided and retain this book as a permanent record of your purchase to aid identification in the event of theft.

Model No. _____
Serial No. _____

- **Power source**
  To reduce the risk of fire or electric shock and annoying interference, use the recommended accessory Panasonic MK 3 Lind Distribution Box & Cables only.
  Mfr. Part#: ARB-PAPDC2462-3951 (distribution box : PAPDC2462-2838)
- **Antenna requirements**
  Common Trigger Box (WV-TW37003) must be used with one of the following External 2.4 GHz and 5 GHz Wi-Fi antennas.

Model	Manufacturer
AP-W-M-S2-RP-WH	ANTENNA PLUS LLC
AP-W-Q-S2-RP-BL	ANTENNA PLUS LLC
AP-PAN-W-Q-S2-RP-RA-WH-15 (Panasonic No.:ARB-BWCBLANT-WHB)	Airgain, Inc.
AP-PAN-W-Q-S2-RP-RA-BL-15 (Panasonic No.:ARB-BWCBLANT-BLB)	Airgain, Inc.
AP-PAN-W-M-S2-RP-RA-WH-15 (Panasonic No.:ARB-BWCBLANT-WHM)	Airgain, Inc.
AP-PAN-W-M-S2-RP-RA-BL-15 (Panasonic No.:ARB-BWCBLANT-BLM)	Airgain, Inc.

Note:

The 20 cm {7-7/8 inches} minimum separation must be maintained between users and the antenna. It is desirable that the antenna is located at least 1 m {40 inches} away from other Wi-Fi antennas to avoid the interference.

For U.S.A.

FCC CAUTION

Changes or modifications no 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: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Note:

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. Operation 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.

FCC Information:

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

Compliance with FCC requirement 15.407(c)

Data transmission is always initiated by software, which is the passed down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted. In other words, this device automatically discontinue transmission in case of either absence of information to transmit or operational failure.

Frequency Tolerance: ± 20 ppm

Radio Frequency (RF) Exposure Compliance

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

MEDICAL:
Consult the manufacturer of any personal medical devices, such as pacemakers, to determine if they are adequately shielded from external RF (radio frequency) energy. (The unit operates in the frequency range of 2.412 GHz to 2.462 GHz, and the power output level is 0.1 watts.)
Do not use the unit in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF (radio frequency) energy.

For Canada

CAN ICES-3(A)/NMB-3(A)

RSS-GEN

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

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

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This radio transmitter (ISED Certification Number: 216A-WVTW37003) has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

No	Manufacturer	Part No.	Gain (2.4GHz/5.5GHz) w/ Cable Loss	Impedance	Antenna Type
1	ANTENNA PLUS LLC	AP-W-**x**-S2-RP-**xx**	-0.8dBi / -8.1dBi	50ohm	Patterned Antenna
2	Airgain, Inc.	AP-PAN-W-**x**-S2-RA-**xx**-15 (Panasonic:ARB-BWCBLANT-**xxy**)	3.7dBi / -4.2dBi	50ohm	Patterned Antenna

x : Mount Style (Q:Bolt, M:Magnetic), **y** : Mount Style (B:Bolt, M:Magnetic), **xx**: Color (WH:White BL:Black)

Le présent émetteur radio (ISED Certification Number: 216A-WVTW37003) a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour tout type figurant sur la liste, sont strictement interdits pour l'exploitation de l'émetteur.

No	Fabricant	Numéro de pièce	Gain (2.4 GHz/ 5.5 GHz) avec perte de câble	Impédance	Type d'antenne
1	ANTENNA PLUS LLC	AP-W-**x**-S2-RP-**xx**	-0.8dBi / -8.1dBi	50ohm	Antenne à motifs
2	Airgain, Inc.	AP-PAN-W-**x**-S2-RA-**xx**-15 (Panasonic:ARB-BWCBLANT-**xxy**)	3.7dBi / -4.2dBi	50ohm	Antenne à motifs

x: Style de montage (Q: Boulon, M: Magnétique), **y**: Style de montage (B: Boulon, M: Magnétique), **xx**: Couleur (WH: Blanc, BL: Noir)

RSS-247

Data transmission is always initiated by software, which is the passed down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted. In other words, this device automatically discontinue transmission in case of either absence of information to transmit or operational failure.

La transmission des données est toujours initiée par le logiciel, puis les données sont transmises par l'intermédiaire du MAC, par la bande de base numérique et analogique et, enfin, à la puce RF. Plusieurs paquets spéciaux sont initiés par le MAC. Ce sont les seuls moyens pour qu'une partie de la bande de base numérique active l'émetteur RF, puis désactive celui-ci à la fin du paquet. En conséquence, l'émetteur reste uniquement activé lors de la transmission d'un des paquets susmentionnés. En d'autres termes, ce dispositif interrompt automatiquement toute transmission en cas d'absence d'information à transmettre ou de défaillance.

RSS-102

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the ISED radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'ISDE. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le radiateur et le corps humain.

Specifications

Basic

Ambient temperature:	–10 °C to +50 °C {14 °F to 122 °F}
Ambient operating humidity:	10 % to 90 % (no condensation)
Dimensions*:	240 mm (W) x 88 mm (H) x 41 mm (D) {9-7/16 inches (W) x 3-15/32 inches (D) x 1-5/8 inches (H)}
Mass*:	Approx. 700 g {1.54 lbs}

* With fixing plate

Wireless LAN

Communication Standard:	IEEE802.11 a/b/g/n/ac
Access mode:	Infrastructure mode
Frequency Band (STA):	2.4 GHz band 2412 to 2462 MHz (1-11 ch)
	5 GHz band 5745 MHz to 5825 MHz (149,151,153,155,157,159,161,165 ch)
Security:	WPA/WPA2-PSK
Antenna Connectors:	RP-SMA Jack (Female)

Bluetooth®

Bluetooth standard:	Bluetooth Low Energy (Ver. 4.1)
Frequency band:	2402 MHz to 2480 MHz
Modulation system:	Frequency Hopping Spread Spectrum (FH-SS)

Precautions

Refer installation work to the dealer.
Installation work requires technique and experience. Failure to observe this may cause injury, or damage to the product. Be sure to consult the dealer.

Caution:
- THE DC IN TERMINAL SHALL BE INSTALLED NEAR THE EQUIPMENT AND SHALL BE EASILY ACCESSIBLE.

Standard accessories

Operating Instructions (this document).....1 pc.
Warranty card.....1 pc.
Fixing plate.....1 pc.
Common Trigger Box fixing screw .....5 pcs.
(of them, 1 for spare)

: Direct current symbol

Disposal of Old Equipment
Only for European Union and countries with recycling systems

This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products must not be mixed with general household waste.
For proper treatment, recovery and recycling of old products, please take them to applicable collection points in accordance with your national legislation.
By disposing of them correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment.
For more information about collection and recycling, please contact your local municipality.
Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

Panasonic Corporation of North America
Two Riverfront Plaza, Newark, NJ 07102-5490
http://business.panasonic.com/

Panasonic Canada Inc.
5770 Ambler Drive, Mississauga, Ontario, L4W 2T3 Canada
1-877-495-0580
https://www.panasonic.com/ca/

 NSh1216-3128 PGQX2144WA Printed in Japan