

Tripleplus CBM Controller - Installer Guide v1.0

P/N: CBM-COAMAP-5

◆ Welcome

Thank you for choosing Tripleplus CBM Controller.

Tripleplus CBM (Cloud Building Management) products family is the ultimate Water Management as well Leak Damage Prevention cloud-based solution. The CBM Products family solution is managed via an App and is designed to manage water usage and to prevent damage due to water leak. Tripleplus offers you a total peace of mind when you are in or away. The Controller is the hub of the system. From the 915MHz radio side, it is connecting to all the sensors and other end devices. From the Ethernet connection side, if by Ethernet port or Wi-Fi connection or GSM connection, it communicates with the different Mobile and WEB application through the cloud. The controller role is to control and execute the system configuration rules and commands.

◆ Please note.

Please read these instructions carefully and follow the system's installation and commissioning steps.

Maintain this document in a safe place for future reference.

⚠ Warning! This product was designed to manage and control Tripleplus devices to manage water usage and prevent water leak damages. It should be used for this purpose only.

◆ Tripleplus CBM system.

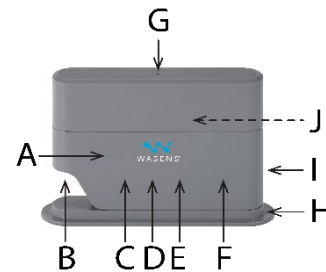
Tripleplus CBM line of products includes innovative battery-operated devices which enables the automated control of water valves. This is unified under the "Cloud Building Management" and "Smart Home" umbrella. The Tripleplus CBM Controller serves as a Gateway that ensures a secured communication between the system devices, Tripleplus cloud and App.

Tripleplus CBM integrates easily into the Cloud Building Management and Smart Home IoT ecosystem, providing a unique cloud-based secured platform for Water management and Leak Management.

◆ Tripleplus CBM Controller technical specification:

Part No.	CBM-COAMAP-5-xx
Product description	Secured and reliable Tripleplus CBM Controller communicates with the connected devices and the Tripleplus Cloud.
Dimensions	25x68x131mm (1x2.68x5.16")
Weight	155gr (5.28 Oz)
Power supply	External Adaptor Input 110-240 V AC Optional PoE (Power Over Ethernet) – 802.3AF
Operation voltage	5V (2 x AA backup batteries. Up to 8 hours Or optional Rechargeable Battery)
Operating RF	868/915/916 MHz
Transmission range	Open space - up to 230 m (750 ft.) Indoor - up to 120 m (390 ft.) Avoid installing in a metal cabinet.
Working Temperature	-20 to +50°C (-4 to +122°F)
Certifications	FCC ID: 2AFOICBMCLR5 IC: 20798-CBMCLR5

Controller description



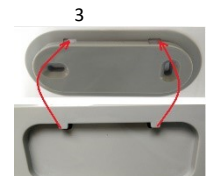
- A. WASENS- Tripleplus Water Sense Logo
- B. Power Plug Inlet
- C. Ethernet port, optional – PoE (Power Over Ethernet)
- D. Optional - SIM Card
- E. Terminal port
- F. AA Batteries, optional – rechargeable battery
- G. RGB LED indicator
- H. Table stand.
- I. Lower cover
- J. Wall mounting bracket (rear part)

◆ Batteries Installation

1. Slide down the lower cover.
2. Insert 2 x AA batteries (included)
3. Slide back up the lower cover.

◆ Controller Wall installation

1. Detach the HUB from the table stand as shown here below.
2. Attach the wall mounting bracket to its location and mark the holes for the mounting screws.
3. Place the HUB's rear mounting pins close to the wall and gently slide down the wall mount dimples.



⚠ Warning! Do not attempt to rotate the HUB on the mounting to avoid physical damage to the enclosure.

◆ Controller Table installation

For table use, connect the table stand to the Controller and place it on the table.



◆ **Controller LED behavior**

- GREEN flashes every 2 Sec – OK
- BLUE flashes every 2 Sec – Failure in communication with the Tripleplus Cloud or with any system's device
- RED flashes every 2 Sec – battery status warning / low battery, in Hub or one of the devices.

◆ **System Component synchronization and activation**

Tripleplus CBM devices are installed and activated using the Tripleplus CBM installers or End-User APP available on AppStore and Google Play.

This Controller is designed for indoor use only and should be installed by an authorized installer.

Warranty instructions

Please visit www.tripleplus.io/support for warranty, technical support, terms and conditions or troubleshooting.

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 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.

WARNING – RF EXPOSURE COMPLIANCE: This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

-This Class B digital apparatus complies with Canadian ICES-003.

-Cet appareil numérique de la classe B est conforme a la norme NMB-003 du Canada.

◆ IC Statements

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.

AVERTISSEMENT – CONFORMITÉ AUX NORMES D'EXPOSITION AUX RF : Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

◆ FCC Statements

Controller model table:

Brand/Item	Type/Model	Short Product description
Controller – Full configuration	CBM-COAMAP-5-01	Wi-Fi, Eth, PoE, GSM-M3, Terminal ports, Rechargeable Battery
Controller – partial configuration	CBM-COAMAP-5-02	Wi-Fi, Eth, PoE, AA Battery
Controller – partial configuration	CBM-COAMAP-5-03	Wi-Fi, Eth, PoE, Rechargeable Battery
Controller – partial configuration	CBM-COAMAP-5-04	Wi-Fi, Eth, Rechargeable Battery
Controller – partial configuration	CBM-COAMAP-5-05	Wi-Fi Only, Rechargeable Battery
Controller – partial configuration	CBM-COAMAP-5-06	Full configuration (Wi-Fi, Eth, PoE, GSM(M3), AA Battery
Controller – partial configuration	CBM-COAMAP-5-07	Wi-Fi, Eth, AA Battery
Controller – partial configuration	CBM-COAMAP-5-08	Wi-Fi Only, AA Battery

◆ FCC Statements

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.

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