



## Antea-M2

Meteor2 Vigipool antenna

Réf : PF10Y550

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**Read these instructions carefully before installing, commissioning and using this product.**

## 1. Technical specifications

Dimensions	70 x 116 x 32mm
Electricity supply	12VDC <i>via Meteor2 box only</i>
Weight	210g (Antea-M2 + supplied cable + connector)
Protection rating	IP-55
Bluetooth®	Low Energy (v4.x) Conforms to the R&TTE Directive 1999/5/EC
Wifi	802.11 b/g/n and "dual band"; (2.4 Ghz only) <b>Not compatible with 5GHz WiFi networks</b>
Compatible boxes	Meteor2 manufactured as from 2019 (software version > v2.00) <b>Not compatible with Meteor-XC</b>
Cable	4x0.22mm <sup>2</sup> , length 3.5m included. Can be extended up to 40m (4x0.5mm <sup>2</sup> minimum).

## 2. Pack contents

One antenna Antea-M2	One green 4-pin plug-in connector
One wall bracket + 2 fixing screws and anchors	An electronic format manual (QR CODE giving access to this document)

## 3. Description

The Antea-M2 antenna is used to connect a Meteor2 box to the Internet and integrate it into a Vigipool ecosystem. This makes it possible to control a Meteor2 remotely. The Antea-M2 control box is connected to the Meteor2 by a cable.

### 3.1. Compatible boxes

Only Meteor2 boxes manufactured from 2019 onwards are compatible with the Antea-M2: The software version, displayed when the control box starts up, must be higher than "v2.00".



**Antea-M2 is not compatible with Meteor-XC boxes.**

## 4. Compatible with the Vigipool environment

The **Antea-M2** is compatible with all the devices in the Vigipool environment. The Vigipool environment gathers together many interconnected water treatment and maintenance appliances that can be controlled by a single application: Vigipool.

The appliances exchange the different measurement data and their actions with each other using a wireless proprietary connection between the appliances. Different appliances are available (electric filtration box, LED control, pH regulation, connected pH / ORP analyser, remote touch display, etc.).



### 4.1. Bluetooth® and Wifi control

The **Antea-M2** has an embedded Bluetooth® and Wifi transmitter used to control your device from a smartphone or tablet. To be able to control the **Antea-M2**, you need an iOS (Apple®) or Android smartphone or tablet running Bluetooth® Low Energy (v4.x) or Wifi 802.11 b/n/g. Other operating systems (Windows Phone®,...) or devices not running the above-mentioned prerequisites **are not supported**.

For a Wifi connection, the local Wifi details (SSID and password) need to be entered and a Vigipool account created to connect your **Antea-M2** to the Wifi router and control your Meteor2 using the local Wifi and remotely. (see attached specific "Vigipool World" leaflet)

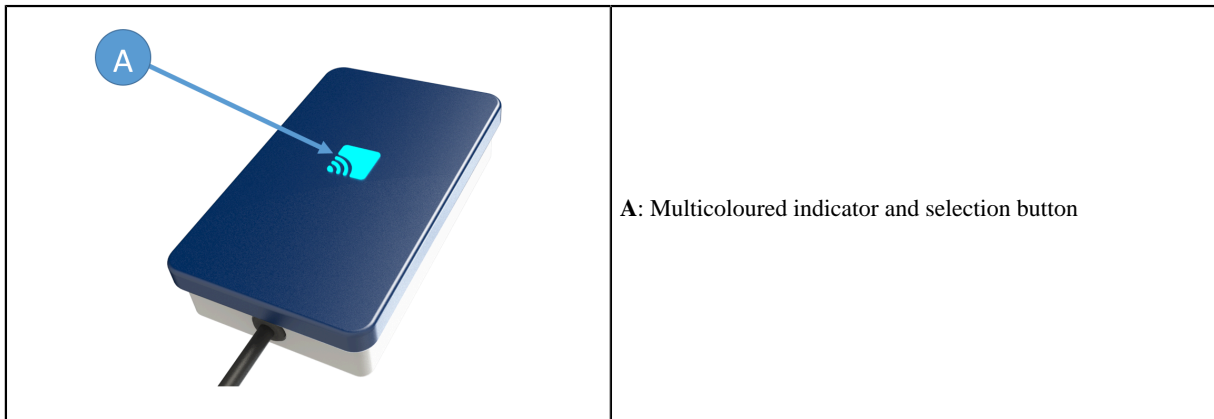


**With Bluetooth, only one telephone / tablet can be connected to the control box at a time. To connect from another device first disconnect the device which is already connected.**

**The software embedded in the appliance can be updated automatically. To do this, it must be connected to WiFi or to another Vigipool appliance that is itself connected to WiFi. If you only use the appliance with Bluetooth, you can create an access point from your phone to temporarily connect the appliance and update its software if necessary.**

#### 4.1.1. Bluetooth® pairing

On the first connection (using Bluetooth), after having selected your appliance from the list, to pair your smartphone with the Antea-M2, approach the smartphone until it is in contact with the appliance, or press button (A) on it **when the application prompts you to do so** and indicator (A) flashes blue quickly.



Pairing is only possible *via* the Vigipool app. Do not attempt pairing from the smartphone's Bluetooth settings.

## 5. Installation

### 5.1. Wall mounted installation

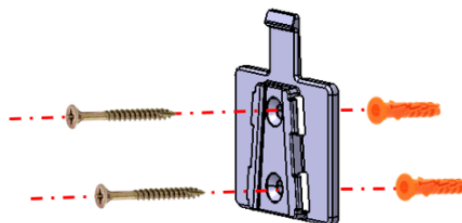


For safety reasons and in compliance with the NF C15-100 standard, the Antea-M2 must be installed

- either at over 3.50 m from the pool edge. This distance takes into account the distance around obstacles. If the Antea-M2 is installed behind a wall, this will then be the distance required to go around the wall and reach to the box..
- or in an in-ground space in the immediate vicinity of the swimming pool. In this case the space must be accessible via a hatch which requires a tool to open it.

#### The Antea-M2

- can be installed outdoors, but it must be sheltered from rain, cleaning or watering spray, and UVs (sunlight).
- is spray resistant *but must not be installed in a floodable area.*
- must be placed on a level and stable support and fixed to the wall using the wall mount and the supplied anchors and screws:



Installing it outside the technical room can improve WiFi connectivity if the WiFi source is a long way from it.

### 5.2. Connection to electricity



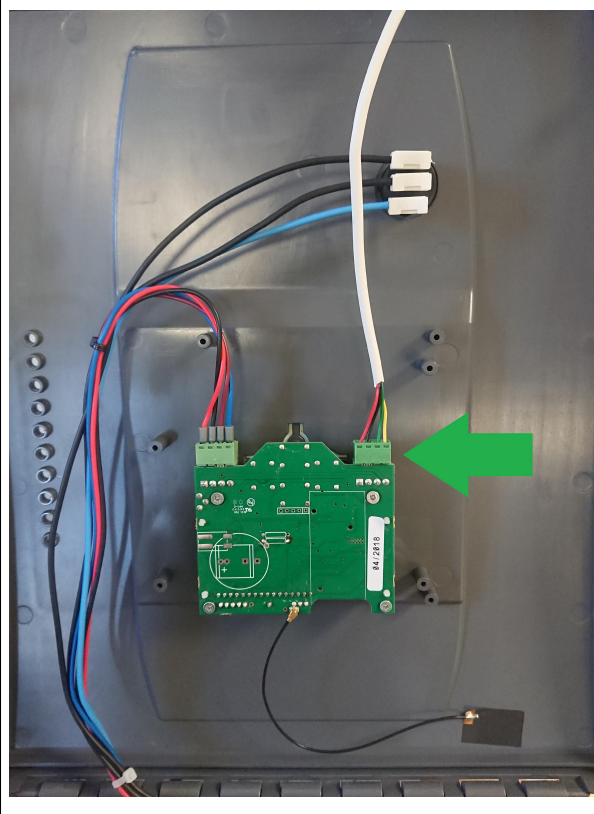
**Installation of this project involves a hazard of electric shocks. We strongly recommend you contract a professional installer. Incorrect installation puts you in danger and may irreversibly damage the product and the equipment connected to it.**



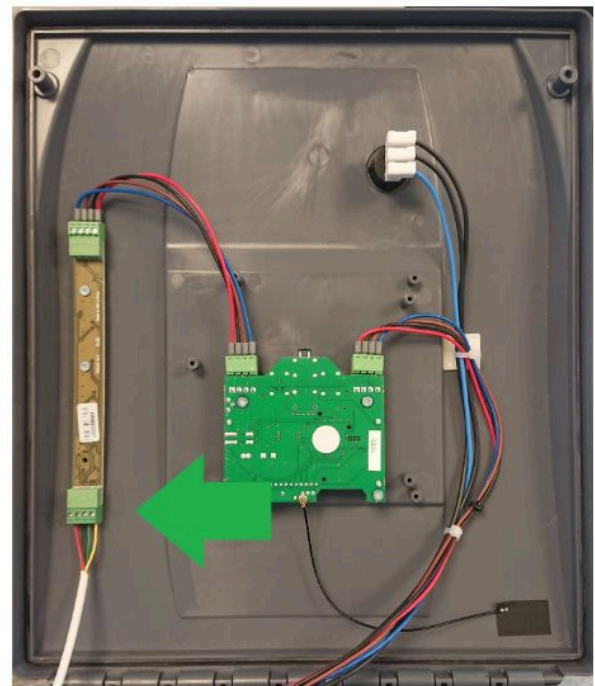
**Cut the electricity supply upstream of the Meteor2 box before opening it.**

Depending on the Meteor2 model, the connection can be at 2 different connection locations (see below): Connect the green connector to the Meteor2 box (using one or the other connectors shown below, **whichever is available**):

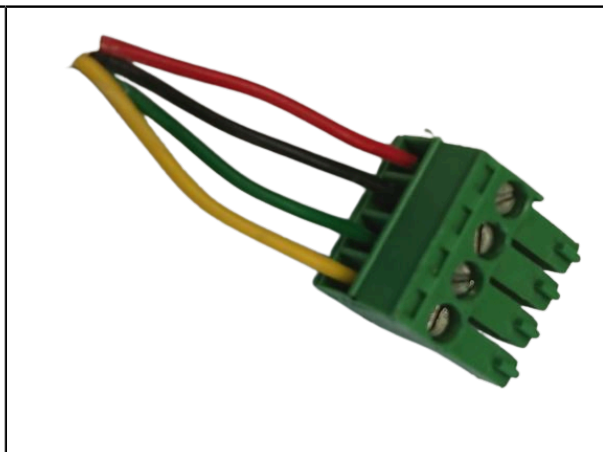
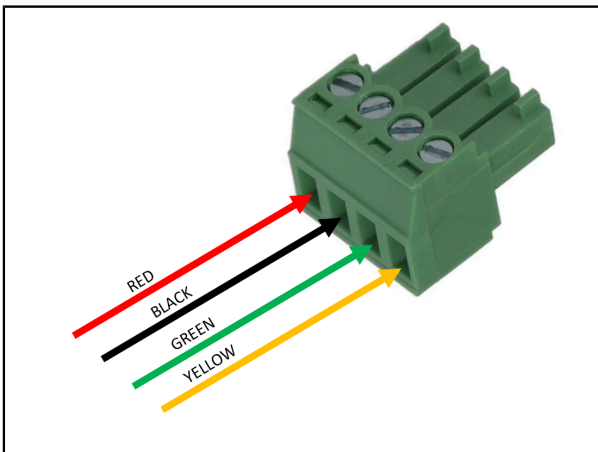
On the display board on the Meteor2 front face:



On the LED strip terminal block, at the bottom left:



Antea-M2 has a supplied cable and connector that must be connected to the Meteor2. The cable has 4 wires which must be connected to the green plug-in connector as follows:



## 6. Start up

### 6.1. Powering on

The system is switched on using the switch on the Meteor2.

On start up, the multicoloured indicator (A) on the front flashes while the device starts up.

### 6.2. Choice of the Vigipool "central unit" appliance



**Please refer to the attached "Vigipool World" page for more information**

At the end of the initialisation phase (Blue - White - Red sequence), the multicolour LED (A) flashes white. This corresponds to the choice of the appliance that will perform the Vigipool "central unit" function (see attached specific "Vigipool World" page):

- If the installation only has this appliance, press the selection button (A). The appliance is then configured as a Vigipool "central unit" and other appliances can be added to the installation later.
- If the installation has several Vigipool World compatible appliances
  - And if an appliance is already configured as a Vigipool "central unit", press the button on the Vigipool "central unit" if it has been powered on for more than one minute. (If it has been powered on for less than a minute, there is no need to press its button). Your Antea-M2 then connects to the Vigipool "central unit": It stops flashing white and switches to normal operation.
  - If no other appliance is already configured as a Vigipool "central unit", turn on all the appliances and press the button on the appliance you want to use as a Vigipool "central unit". The other products will then connect to the appliance you have validated as the Vigipool "central unit", they stop flashing white and switch to normal operation mode.



**If you want to change the Vigipool "central unit" appliance, the system must be reset (see "Resetting to zero")**

### 6.3. iOS / Android applications

To download the Vigipool application [click here](#) or scan the QR CODE below. You can also search for Vigipool using the App Store and Play Store search engines:



### 6.4. Adding new Vigipool devices

If the Antea-M2 is configured in Vigipool "Centralunit" mode and you want to add other Vigipool compatible equipment to your installation, the Antea-M2 must accept new equipment. There are two possibilities to do that:

- During the first 5 minutes following power up, the Antea-M2 configured in "Central unit" mode will accept new equipment,
- Press button (A) on the Antea-M2.



**When the Antea-M2 is ready to accept new equipment, multi-coloured indicator (A) flashes green.**

## 7. Operation

Meteor2 operation is detailed in its specific manual: Through the Vigipool application, the Antea-M2 can be used to configure:

- Lighting
- Filtration
- Auxiliaries

Configuring the functions themselves (auxiliary or lighting types for example) is not possible from the application and remains accessible from the Meteor2 interface (supervisor menu) only.

The Antea-M2 retrieves the Meteor2 configuration and displays the elements according to this configuration.

From the application, the different Meteor2 function programs can be modified;

- Filtration programming time ranges,
- Lighting time range,
- Lighting colour selection,
- Selection of the treatment ORP set point, or of the heating temperature,
- Auxiliary operating time slots.

The Vigipool application also makes it possible to access the temperature and ORP potential history for 1 week.

## 7.1. Multicolour indicator

Depending on its status, the multi-coloured indicator (A) can have different meanings:

Blue - White - Red sequence	Device start-up sequence: This sequence is run at power-up.
Flashing white	Awaiting selection of the Vigipool "central unit" appliance. See section 6.2.
Steady blue	A smartphone is connected to the Antea-M2 using Bluetooth.
Flashing blue (slow)	The Antea-M2 is configured in Vigipool "central unit" mode and the WiFi is not configured: Awaiting a Bluetooth connection.
Flashing blue (fast)	Bluetooth pairing in progress. See section 4.1. 1.
Steady green	The Antea-M2 is connected to WiFi or to its Vigipool "Central unit".
Flashing green	The Antea-M2 is configured in Vigipool "Central unit" mode and accepts the connection of new Vigipool equipment. This state is normal during the first 5 minutes of power supply or 5 minutes after pressing button (A). See section 6.4.
Flashing purple	Firmware update in progress.
Red / Green flashing alternately	If the Antea-M2 is configured as a Vigipool "Central unit": Cannot connect to WiFi. Check the entered information and/or the WiFi network coverage.  Otherwise: Connection to the Vigipool "Central unit" impossible.

## 8. Reset to zero

It may be necessary to reset to zero to return the Antea-M2 to factory settings.



To do this:

1. Power off the device (switch on the front of the Meteor2) and wait for about ten seconds,
2. Press selection button (A) and keep it pressed,
3. Power on the appliance while keeping the button pressed,
4. Wait for multicolour indicator (A) to flash fast in red,
5. Release the button. **All parameters are reset to factory settings.**



**Carrying out a reset will erase all parameters in memory (WiFi configuration, pairing of phones and other Vigipool World appliances, etc.). The start up procedure must therefore be rerun after a reset.**

## A. Declaration of conformity

CCEI S.A.S (FR 47 40 35 21 693) declares that the Antea-M2 product meets the safety and electromagnetic compatibility requirements of European directives 2014/35/EU and 2014/30/EU.		
		Emmanuel Baret Marseille, on 17/02/2023
<b>Distributor's stamp</b>		
<i>Date of sale: ..... Batch N°: .....</i>		