



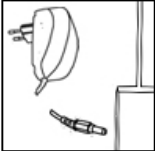

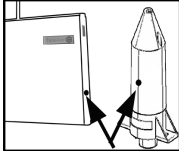
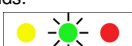
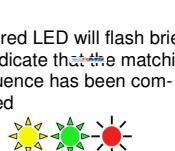


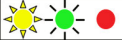
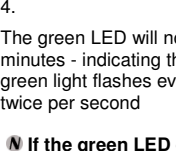
INSTALLATION SHEET

WARNING :

- Prior to the installation, make sure that the modem to be installed has been pre-registered with the RMS System; check this with the RMS system operator.
- Ensure that the telephone line is suitable. There must be a mains outlet near to the phone jack.
- If the modem will be dialling through a PABX line (i.e. not direct), the number must be changed in the RMS Software (see back of the page)

DON'T FORGET TO COMPLETE THE Customer RMS Installation Form. This sheet is needed to complete the Software Database

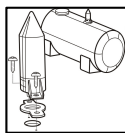
STEP 1 : MATCHING THE MODEM AND THE TRANSMITTER

<p>1. </p> <p>Connect the Modem to the mains via the supplied power plug and pack.</p>  <p>The yellow light will flash</p>	<p>2. </p> <p>Hold the black dots on the modem and the Transmitter together for a period of 20 seconds.</p>  <p>During this phase, the green LED must flash.</p>	<p>3. </p> <p>The red LED will flash briefly to indicate that the matching sequence has been completed</p>  <p>The yellow and green lights will stay on .</p>  <p>You may now separate the modem and the Transmitter</p> 	<p>4. </p> <p>The green LED will now begin to flash and will continue to do so, for 10 minutes - indicating that the modem is matched to the Transmitter. The green light flashes every time a signal is picked up from the transmitter: twice per second</p> <p>⚠ If the green LED does not flash first-time, repeat the process.</p> <p>NOTE: TO MATCH MORE THAN ONE TRANSMITTER WITH THE SAME MODEM, FOLLOW THE INSTRUCTIONS ON THE BACK OF THE PAGE</p> <p>📄 Complete the Customer RMS Installation Form carefully ensuring the information is exactly correct.</p>
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STEP 2 : FITTING TRANSMITTER

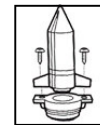
For tanks with pre-drilled 20mm or 32mm hole:

- Remove cap from hole and insert transmitter, ensuring the weather seal is securely in place.
- Ensure that the transmitter is positioned vertically on the top of the tank.
- Tighten onto the tank using the 2 stainless steel self-tapping screws supplied. Take care not over-tighten.



For tanks with 1.5in or 2in BSP Transmitter socket:

- Unscrew the cap from the hole and fit the adapter provided by screwing into the Transmitter socket.
- Ensure that the weather seal is securely in place.
- Fit the transmitter to the adaptor on the tank .

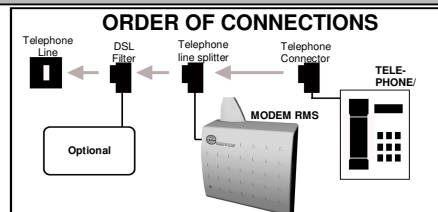


STEP 3 : PLUG THE MODEM INTO THE TELEPHONE LINE

The Modem must be near a Telephone line and a mains power source.






If there is a broadband connection, ensure that the socket has a DSL Filter. Plug in a standard telephone handset to confirm that the line is working, and is free from static interference.

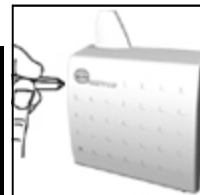
NOTE: TO USE THE MODEM THROUGH A PREFIX LINE (PABX), PLEASE FOLLOW THE INSTRUCTION ON THE BACK OF THE PAGE



STEP 4 : FIRST CONNECTION WITH THE REMOTE SERVER

Using something blunt like the tip of a biro, press the Service Button on the left side of the RMS.

Stage 1 : 	RED LED lights up, indicating dialling. YELLOW LED goes out	Start of the connection process
Stage 2 : 	GREEN LED lights up	Successful connection with the remote server
Stage 3 : 	GREEN LED flashes for 3 seconds	Data transfer
Stage 4 : 	RED LED turns off	End of the call
Stage 5 : 	GREEN and YELLOW LEDs flash twice	Data exchange was successful



- ⚠ **At the end of the call** (The RED LED light turns off), the GREEN and YELLOW LED will flash to confirm that the Data exchange was successful. If this does not happen there has been a connection issue. Check that the telephone line is working (Tone) and is free from static interference, and check the cable and plugs. Also check that the modem is pre-registered in the RMS Software. Press the Service Button again.
- ⚠ **The YELLOW LED will light, indicating that the modem is in radio receive mode again, awaiting the next transmission from the Apollo tank Transmitter**

Once confirmed that good communication has been established, the RMS modem may be fixed to the wall

STEP 5 : MODEM LOCATION AND FIXATION

To identify the best position for the RMS modem note that: The antenna should be as high as possible without being unsightly. Temporarily support the modem in position while testing the communication.


NOTE: The reception can be different in different rooms

- INSTRUCT THE HOUSEHOLDER NOT TO REMOVE OR UNPLUG THE RMS
- EXPLAIN THAT IT WILL NOT INTERFERE WITH NORMAL TELEPHONE USE, AND LEAVE A USER ADVICE CARD.

MULTI-TANK PROGRAMMING (MAX. 4 TRANSMITTERS)

The process of matching up to 4 tanks as described should be completed within about 1 hour, and before pressing the service button. After that period, the RMS modem will revert to its normal default state. If the RMS modem is in 'learn mode' (after power up), and the modem does NOT learn a new code, then that channel is reset to zero.

1. To begin, first match the 1st Transmitter (channel 1) as described overleaf in STEP 1 « MATCHING THE MODEM AND THE TRANSMITTER»
2. To install the 2nd Transmitter:
 - a) Turn off the modem power.
 - b) Insert something blunt such as a biro point into the hole and hold down the service button whilst powering up - The GREEN LED should light up.
 - c) Release the service button - The YELLOW LED will give a distinctive **double flash** to indicate that you are about to match the modem to the **2nd tank**.
 - d) Touch the black dots found on the RMS modem and the Transmitter together for approx 20 seconds. During this phase, the GREEN LED should flash. At the end of the 20 seconds, the RED LED will flash briefly to indicate that the matching sequence has been completed. The YELLOW LED will stay on. Separate the Transmitter and the RMS modem. The GREEN LED should continue to flash indicating that the modem is matched to the Transmitter
3. To install a 3rd and/or 4th Transmitter, Turn off the modem, and repeat b, c and d as described above
 - The YELLOW LED will flash 3 times to indicate that you are about to match tank 3 to the modem. The YELLOW LED will flash 4 times to indicate that you are about to match tank 4 to the modem.

 **Complete the Installation Form (volume, dimensions, brand, type) and the Transmitter number which is affixed.**

CHANGING THE SERVER ACCESS TELEPHONE NUMBER

By default, the dial number is : 00 353 61 474 153

If the modem is to dial through a line other than a direct one (i.e. a PABX): An extra number is usually required to exit (get an outside line), for example: 0.

- The number can be up to 15 characters.
- Only numbers may be used (no letters/symbols).
- A comma (pause) is allowed.

STEP 1: In the RMS Software:

Register the RMS modem serial number and click Edit Modem

In the Edit Modem screen, check the 'New Number' box, and carefully enter in the new telephone number, (without spaces)

Note: For a delay/pause a comma may be used.

Update the modem details to the server to make the new number available for collection.

STEP 2: Collection of new number by RMS modem:

USING A DIRECT LINE	USING A PREFIX LINE
Connect the RMS modem to a direct (i.e. not PABX) line & power up. Press the service button.	<ol style="list-style-type: none"> 1. Connect the RMS modem to the telephone line & power up 2. Connect a telephone to the same socket as the RMS modem 3. Using the telephone, hand dial the server (including the dial prefix) 4. When the server answers (a high continuous tone), press the service button 5. Hang up telephone, ensuring RMS modem is still connected to telephone line.

A double flash of the Green and Yellow LEDs indicates that the data transfer was successful.

The modem is now programmed to dial the new number.

INTERPRETING THE MESSAGE AS INDICATED BY THE LED

● **YELLOW LED: Power and mode status of the modem.**

Learn Mode: The YELLOW LED flashes. The number of flashes indicates the Transmitter number (e.g. 1 flash for sender 1, 2 flashes for sender 2) The Learn Mode is active for 2 minutes immediately after power up. During this period, Transmitters (Rockets) can be matched to the receiving modem

Listen Mode: The YELLOW LED is permanently on.

● **RED LED: Indicates 'Hook' status**

Connection (to the remote server) Mode: The RED LED lights to indicate that the modem is communicating using the phone line.

There is one exception to this:

Learn Mode: The RED LED lights up to confirm the data exchange successful

● **GREEN LED: Receive status**

Normal Mode: (On-Hook: RED LED is off) The GREEN LED blinks whenever a valid signal is received from the tank top Transmitter. Normally, this will be once per hour. In 'fast Mode' it transmits twice per second.

Connection (to the remote server) Mode: (Off-Hook: RED LED is on) The green LED indicates a carrier signal is being received from the remote server.

The RMS Package



RMS Modem



Apollo Transmitter



Power 220V/9V

To power up the modem



Cable and Telephone Line Splitter

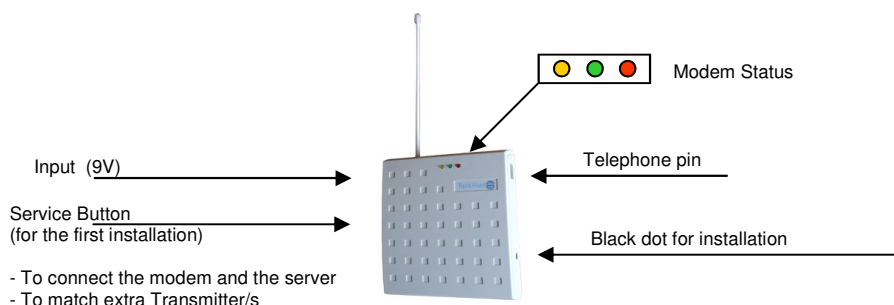
To connect the modem to the Telephone Line

Installation Form

To complete in your customer

Option - Extra Transmitter:

Apollo and/or Apollo Bund



- To connect the modem and the server
- To match extra Transmitter/s

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