Special Instructions
This is a mains powered device. Observe safety precautions and isolate from mains before commencing installation

Video Instructions
Additional video instructions are available from climote on request
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Inside the Box

climote HUB

Back-plate

Also included
1. Fixing screws.
2. Quick start guide.
3. Pocket guide.
4. Safety information.

Attach Back-plate to Wall-box (1)
Wire Back-plate (2)

Instructions
1. Check local wiring configuration.
2. Standard 3-zone wiring is illustrated.
3. Ensure warning label is visible.

Note: climote HUB relays are rated at 5(2)A. Ensure suitable over-current protection when connecting mains (L) to pins 1, 2, or 5.

Fit SIM Card (3)

Instructions
1. On rear of unit, slide SIM carrier down to unlock, and hinge upwards.
2. Lightly slide SIM into carrier square side first, so gold contacts face down when closed.
3. Carefully close carrier so angled corner of SIM aligns with angle in SIM holder base and slide carrier back up until it latches home.
Attach Unit to Wall-plate (4)

Attaching the Unit
1. Ensure main body screws are fully loosened.
2. Align unit directly above back-plate.
3. Twist down and engage hinge.
4. Push firmly to close and engage clip.
5. Tighten main body screws.

Removing the Unit
1. Isolate from mains.
2. Unscrew main body screws.
3. Remove scroll wheel.
4. Depress clip in recess and twist base of unit away from wall.

Power-up Unit (5)

Power up Unit
1. Switch on power to the unit.
2. Check scroll-wheel illuminates and unit enters start-up sequence – display shows “Unit initialising” for between 30 and 90 seconds.
3. Unit completes start-up and displays 3 timer dials.

Note: in areas of poor signal quality, unit can take up to 5 minutes to complete its start-up sequence. Refer to Diagnostics (12).
Carry Out Local Checks (6)

Local checks
1. Check unit shows correct time within 1 minute of completing start-up sequence. If time does not update, follow steps for “time” in Diagnostics (12).
2. Press the Menu/Back button. Observe Menu Options are displayed. Choose Settings, Signal Strength. Note signal strength.
3. If signal strength is less than 25% follow steps for “poor signal” in Diagnostics (12).
4. Press Menu/Back 3 times to exit.
5. Press “Boost” button for Living zone. Boost menu is displayed, select Boost for 1 hour. Observe Boost light glows orange and heating is turned on in living zone.
6. Press Living Boost again and select Cancel Boost. Boost light is extinguished and heating is turned off in living zone.
7. Repeat for all active zones.

Commission climote HUB (7)

1. Navigate to Zone Setup
Using the Menu/Back button and Scroll Wheel, select :
2. Settings. 5. Zone Setup.
3. Installer Settings.

2. Set up Zones
1. Active zones – On or Off. Set One, two or three zones to “On” to match the zone configuration. Turn scroll wheel to change, push to select, then select “Next”.
2. Thermostat Settings (see Thermostat Options)
   Turn scroll wheel to change, push to select, finally select “Next”.
3. Select Save – this communicates the settings to climote ONLINE.
Send Test Phone Message (8)

1 - Text to: Device Mobile Number
   Boost Living 1

2 - Observe unit
   Living Zone Boost is on

3 - Receive Text from:
   Device Mobile Number
   Climote Message:
   Climote Hub
   LIVING(>) 19.8C, ON
   BED(>) OFF
   WATER(>) OFF
   Wed 16:24:36

4 - Text to: Device Mobile Number
   Cancel Living Boost

5 - Observe unit
   Living Zone Boost is off

The Device Mobile Number is the phone number of the SIM in the unit. Ensure the user is aware of their Device Mobile Number and ask them to save it to their phone and repeat the above sequence – see Customer Training section.

climote Website Test (9)

1. Log on to the climote Installer Site
   Navigate to
   https://climote.climote.ie/installer/login
   in any common browser

Log on with your installer
Username and Password

1. All the climote website test functions can be carried out from a browser on any laptop, tablet or mobile device. The installer site also supports temporary installer access to the user’s climote web site, but this mode of access requires Flash to be supported by the device browser.
climote Website Test (10)

1. Set Device on Installer Site Home Page
   1. Once you have logged on your installer home page is displayed.
   2. Select “View” for the device you are installing

An administrator may already have pre-loaded your target device, in which case it will already be displayed. Select “View” to access

If the device is not displayed, enter the Serial Number and Device Mobile Number and press “Add”. The device will be added to your device list

climote Website Test (11)

1. Carry out standard checks
   1. Carry out basic “Command” checks using “Boost” and “Report”
   2. Observe Boost is shown on the device
   3. Check Zone settings reflect what you set on the device. Adjust status and rename zones if required.

“Other settings” grants temporary access to the user’s climote web site, but only until the user has registered

Be sure to “Save” changes on this page. They will then be communicated to the device

At this stage the unit is commissioned and ready for user registration and training. See Customer Training section.
### Climote HUB Diagnostics (12)

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Start-up</td>
<td>If start-up takes significantly longer than 90 seconds, it is usually a sign of a poor GSM signal or no coverage. The unit will finish its retries after 5 minutes and exit to the “Set Time” display. Set the time manually and complete manual checks, then follow “Poor Signal” actions below.</td>
</tr>
<tr>
<td>2 Time</td>
<td>In some GSM connection conditions, unit can exit start-up showing its default time. Press Reset to make one further start-up attempt and if it still fails to get its time, use Menu/Back, Settings option to set the time manually, then follow “ Poor Signal” actions below.</td>
</tr>
<tr>
<td>3 Poor Signal</td>
<td>If the signal strength shows below 25% (even if start-up completes normally) you may need to fit an external antenna. Check the signal strength and if in doubt, contact climote.</td>
</tr>
<tr>
<td>4 Unable to register to Website</td>
<td>If manual SMS works but the Installer Website test rejects the unit, first check the Device Mobile Number and Serial number have been entered correctly. If it still fails, the unit may not have successfully completed its connection to the Website. Press Reset and once the unit dashboard is displayed, try again. If still unsuccessful, contact climote.</td>
</tr>
<tr>
<td>5 Thermostat Setting</td>
<td>A common issue during commissioning is that the thermostat may be set too low, preventing the boiler from coming on. When testing the heating (e.g. Boost), ensure that the thermostat set temperature is well above the room temperature. E.g., temporarily set it to $30^\circ$.</td>
</tr>
</tbody>
</table>
climote HUB Installation Guide
Thermostat Options, including climote DEGREE Remote Thermostat

Preparation (T1)

1. Climote HUB
   1. Ensure climote HUB is fitted and installed in line with Installation Guide.

2. Climote DEGREE
   1. Open climote DEGREE.
   2. Select desired location and affix climote DEGREE back-plate to wall (see Location (T3)).
   3. Note serial number (last 6 digits).
   4. Remove Battery Tab
Choose location (T3)

Location
1. Approx 1.5 metres above floor height.
2. Ensure free air flow through housing.
3. Mount away from:
   a. Draughts.
   b. Direct sunlight.
   c. Heat sources, e.g., Radiators, chimneys etc.

Commission climote HUB (T2)

1. Navigate to Zone Setup
   Using the Menu/Back button and Scroll Wheel, select:
   1. Menu.
   2. Settings.
   3. Installer Settings.
   5. Zone Setup.

2. Set up Zones and Thermostats
   Select:
   1. Active zones – On or Off (see Setup (T5))
       Turn scroll wheel to change, push to select, select “Next”.
   2. Thermostat Settings (see Setup (T5))
       Turn scroll wheel to change, push to select “Next”.
   3. Select Save – this communicates the settings to climote ONLINE.
1. **Enable Pairing Mode**
   From the Commission Device menu, select:
   1. Add/Edit Wireless devices.
   2. From the Add/Edit Wireless Devices menu, choose which Zone to add device to.
   3. Select “Search”.
   4. Press Scroll Wheel to enter Search Mode.

2. **Pair climote Degree (see Setup (T5))**
   1. On climote DEGREE press the Reset button, pairing will commence automatically.
   2. Return to the climote HUB and observe progress / confirm completion.
   3. Pair additional zones as required.
   4. Finally, select “OK” using Scroll Wheel.
   5. Keep pressing “Exit” until you reach the climote Dashboard. Zones will display “- - °C” until temperature readings are received (1 – 2 minutes).

---

**Thermostat Setup and Diagnostics (T5)**

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Zone set up</td>
<td>One, two or three zones may be set to “On”. Match the existing zone configuration.</td>
</tr>
</tbody>
</table>
| 2 Thermostat Settings | • Options are “Off”, “Rem” or “Int” (Zone 1 only).  
• The climote HUB has an internal thermostat which may only be configured for Zone 1 (select “Int”).  
• Zones 1, 2 and 3 support a remote thermostat (select “Rem”).  
• Leave all zones with no thermostat set to “Off”. |
| 3 Pairing | Thermostats may be paired automatically (see (T4)) or manually. For manual pairing, select “Edit” rather than “Search” and use the Scroll Wheel to match the climote DEGREE serial number that is being paired. Press “OK” when complete. |
| 4 Auto Pairing fails | If the auto pairing fails:  
1. Check the climote DEGREE has power and is functioning. Press the Reset button and observe the LED. 2 or 3 flashes show batteries are OK.  
2. Repeat the auto pairing process in (3). Check whether the climote HUB is receiving data from the climote DEGREE. If in doubt, try manual pairing.  
3. Check signal level is greater than 10%. If not, look for an alternative location for climote DEGREE.  
4. If problems persist, contact climote. |
Basic customer training should be carried out at installation. This guide highlights the fundamental user training elements. Additional video instructions are available at www.climote.com

## Unit & Text Demonstration (1)

1. **Explain the basic unit features**
   1. Zones and Dashboard
   2. Boost and Menu/Back Buttons
   3. Scroll wheel

2. **Boost Demonstration**
   1. Explain Boost
   2. Do example Boost Living
   3. Disable Boost

3. **Text Demonstration (Boost)**
   1. Get customer to add Device Mobile Number to contacts
   2. Show Customer Useful Text Functions card
   3. Repeat SMS Boost from installation test
Customer Registration (2)

1. Ask the customer to navigate to www.climote.ie
2. Select: Control my climote
3. From the climote log-in page choose the option to "please register here"

1. Enter user's email address.
2. Enter Device Mobile Number.
3. Enter a first name for this user
4. Enter user’s mobile contact number.
5. Optionally user can add a password.
6. Press submit to Register.

Website Demonstration (3)

1. After registration, the website displays the climote dashboard
2. Ask the customer to log out and log in again to confirm credentials

1. Explain dashboard
2. Explain Status and indicators
3. Show Boost
4. Use Edit to set up heating times
5. Show Timers, Always and Set temp

App Demonstration (4)

1. Customers can download the climote app from the appropriate app store at any time.
2. After registration, ask the customer to log into the app with their credentials

1. Explain dashboard, Menu button and status indicators
2. Show Boost
3. Press zone dial and show App Edit
### Power Supply and Consumption

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>230V AC +/- 10%, 50Hz</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>0.7W / 6mA to 5W / 40mA</td>
</tr>
</tbody>
</table>

### Model

- Climote HUB (TEK648 / TEK648A)

### Operating Temperature

- Zone 1 Relay out: 5(2)A
- Zone 2 Relay out: 5(2)A
- Zone 3 Relay out: 5(2)A

### Conformity

- Unit conforms to EN 60730-1:2000 & EN 60730-2-7

### Software Classification

- Class A to EN 60730

### Electric Shock Protection

- Class II. The Climote HUB is completely protected by its enclosure

### Installation

- The unit must be installed by a qualified electrician

### Power Supply and Consumption

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>3V DC (2AA Batteries supplied)</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>0.01W / 3mA</td>
</tr>
<tr>
<td>Model</td>
<td>Climote DEGREE (TEK676)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0 to 40 degrees C</td>
</tr>
</tbody>
</table>

### Conformity

- Unit conforms to EN 60730-1:2000 & EN 60730-2-7
  (when used with Climote HUB)

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