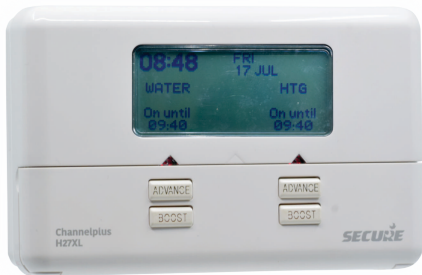


# **SECURE**

## **ChannelPlus H27XL Series 2 User Operating Instructions**



***Two Channel Central Heating and  
Hot Water Programmer***

## **ChannelPlus H27XL**

The ChannelPlus family of electronic programmers offer a range of advanced features coupled with simplified 'menu driven' programming and designed to help save energy.

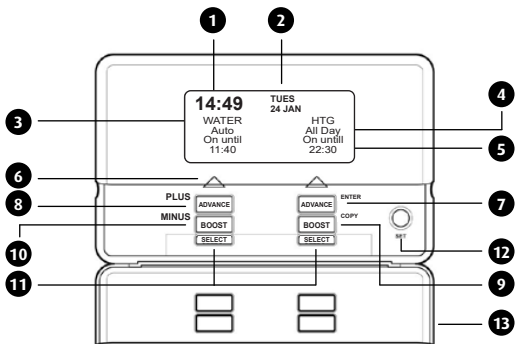
The ChannelPlus H27XL is designed to give independent time control over heating and hot water on a 7 day weekly programme. Each channel offers up to 3 programmed On/Off operations per day for each day of the week.

For day to day operation each channel has a manual 1 or 2 hour boost button as well as an advance button to bring forward the next programmed operation. The back lit display, automatic clock and menu driven programming are all features designed to make the operation of the ChannelPlus H27XL as simple as possible to use.

### **The ChannelPlus H27XL Programmer**

The simple instructions contained in this user guide are designed to help with the programming and operation of the unit. Most of the following instructions require the front flap to be lowered. Please replace the flap when normal operation is required.

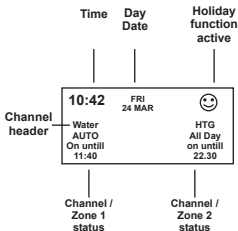
## PRODUCT OVERVIEW - DETAIL SHOWN WITH THE FLAP LOWERED



- 1 Current time of day
- 2 Day of week and date
- 3 Channel Heading
- 4 Current Channel programme
- 5 Next On/Off time
- 6 Channel ON indicator
- 7 ADVANCE and ENTER button (Illuminated When Active)
- 8 ADVANCE and PLUS button (Illuminated When Active)
- 9 BOOST and COPY button (Illuminated When Active)
- 10 BOOST and MINUS button (Illuminated When Active)
- 11 Programme Select buttons (Coloured Blue)
- 12 SET button (Coloured Green)
- 13 Front Flap (Lowered)

## Display Information

The ChannelPlus H27XL programmer has a fully graphical, backlit display. In the normal run mode the display is divided into 2 sections, each section represents a controlled channel. The information displayed will change depending upon the settings made and which mode you are in.



During different programming modes and / or setting screens the current time, day/date, holiday indicator will only appear when necessary, this is to reduce confusion during the programming process. This is explained further in later sections of this guide.

## Activating The Back-lit Display

The display will illuminate for approximately 1 minute whenever a button is pressed. To illuminate the display for viewing purposes only press the green set button under the front flap twice.

## Setting and Adjusting

When setting or adjusting, the programmer will automatically return to the running mode if no buttons are pressed for approximately 1 minute. If the setting or adjusting has not been finished, please start the procedure again.

## Time of Day

The ChannelPlus H27XL incorporates a factory set clock and calendar which means that no adjustments should be necessary to the time of day and BST / GMT time changes take place automatically. If adjustments are required please refer to page 11 of this booklet.

## Manual Overrides

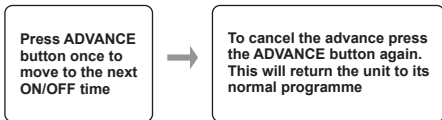
### Boost function - 1 or 2 hour temporary override

The boost facility will allow the user to either activate a channel which is currently 'OFF' for 1 or 2 hours, or to extend a current 'on' period by 1 or 2 hours. To indicate the boost being activated the 'BOOST' button under the selected channel will stay illuminated for the duration of the boost/extension period. The display will also indicate the extension to the time visually on the screen.



### Advance function - brings forward the next on or off operation

The advance facility will allow the user to either bring a channel 'ON' which is currently 'OFF' or switch a channel 'OFF' which is currently 'ON'. To indicate the advance feature being activated the 'ADVANCE' button under the selected channel will stay illuminated until the next programme switching time, the user display will change to also indicate the status of the channel and the next switching time.



## Programme Override Facilities

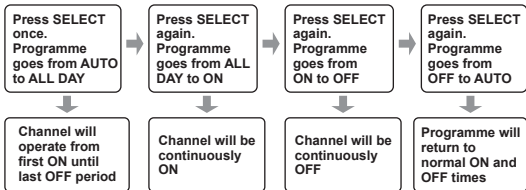
With the ChannelPlus H27XL programmer operating in the normal running mode it is possible to alter the functionality of the programme on each individual channel by means of the blue 'select' buttons under the front flap.

The options include:

- AUTO** - Programmer follows all programmed 'ON' and 'OFF' times.
- ALL DAY** - Channel operates from 1st 'ON' time until 3rd 'OFF', ignoring all switching times in between.
- ON** - Channel will be constantly 'ON'.
- OFF** - Channel will be constantly 'OFF', there is the ability to turn off heating during summer without altering the programme times. 1 or 2 hour boost still available.

All of the settings above will be permanent, i.e. unaffected by programme times, until alteration by the user.

The diagram below illustrates how to alter the setting, it assumes that the channel is in the AUTO mode to begin with. As all channels are totally independent it is possible to have them set differently if necessary\*.



### ADJUSTING SETTINGS

When carrying out any alterations to the programmed times and settings the programmer will return to its normal run mode in 1 minute if no adjustments are made in that time.

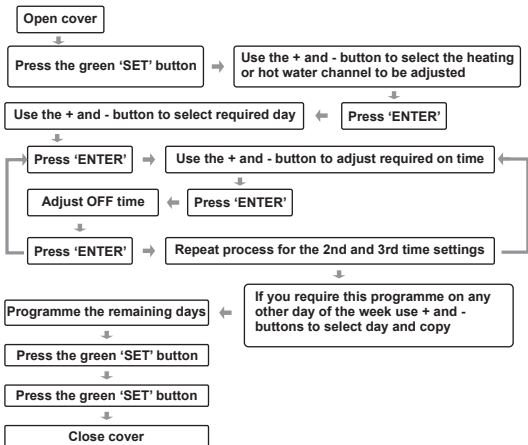
## Setting the Programme Times

The programme times have been preset as shown in the chart below.

### Default Time Settings - AM/PM

	1st ON	1st OFF	2nd ON	2nd OFF	3rd ON	3rd OFF
Mon-Fri	6:30AM	8:30AM	12:00PM	12:00PM	4:30PM	10:30PM
Sat/Sun	7:30AM	10:00AM	12:00PM	12:00PM	5:00PM	11:00PM

If any changes are required to the programme times please complete the operation as described in the flowchart below.



## Sample Displays

Select the required channel setting

SET HEATING
SET WATER
SET HOLIDAY MODE
SET DEFAULTS

Select the day to set

SET HEATING FOR WEDNESDAYS
----------------------------------

Enter the required on and off times

SETTING		
HEATING 1 - WEDNESDAYS		
ON 06.30	ON 12.00	ON 16.30
OFF 08.30	OFF 12.00	OFF 22.30
PERIOD 1	PERIOD 2	PERIOD 3



## Setting the Holiday Mode

The holiday mode can be used to suspend the program function of the ChannelPlus H27XL, it can be set in advance of your departure date and for as long a period as required. The holiday function operates from mid-day to mid-day, this means it can be easily set to ensure your home is warm for your return. When the holiday mode has been set a smiley face will appear on the display. When the holiday mode is active only the day/date and smiley face will be displayed. To cancel an active holiday period please press any of the select buttons under the front flap.

**PLEASE NOTE:** Any alteration to the current time or date will cancel any Holiday programme set.

**N.B. Do not use the holiday programme when conditions are such that frost damage to the heating system is possible (unless a frost protection thermostat is fitted to your system).**

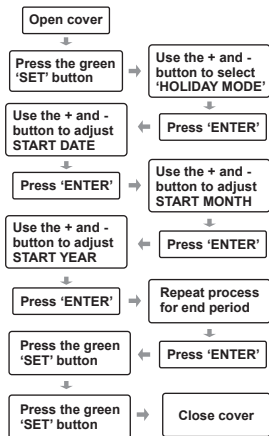
### Sample Display

Enter holiday dates

SETTING HOLIDAY MODE  
START AT MID-DAY ON  
1 SEPT 2014  
FINISH AT MID-DAY ON  
21 SEPT 2014

Display when holiday mode is set

THURS 18 SEPT



## Adjusting Default Settings

The ChannelPlus H27XL has a number of default settings which are normally installed. These settings are designed to reduce the need for user intervention upon installation of the programmer. However it is possible to customise the user display by following the procedures in the following pages. The factory default normally installed are illustrated below;

### Time and Date

Time and calendar are factory set



<b>14:49</b>	<b>TUES</b> 24 JAN
HTG Auto Off until 18.30	WATER Auto Off until 18.30

### Clock Options



Time displayed in 24hr clock format



<b>14:49</b>	<b>TUES</b> 24 JAN
HTG Auto Off until 18.30	WATER Auto Off until 18.30

### Headings

Channel heading set to standard installation i.e. Heating 1, Heating 2, Heating 3 and Hot Water

	
HTG Auto Off until 18.30	WATER Auto Off until 18.30

### Options

The programmer has been set with the current time and date during manufacture.

No alteration should be required to the time and date. However, if any modification is required please refer to the flowchart on page 11

### Options

24 hour  
or  
AM/PM

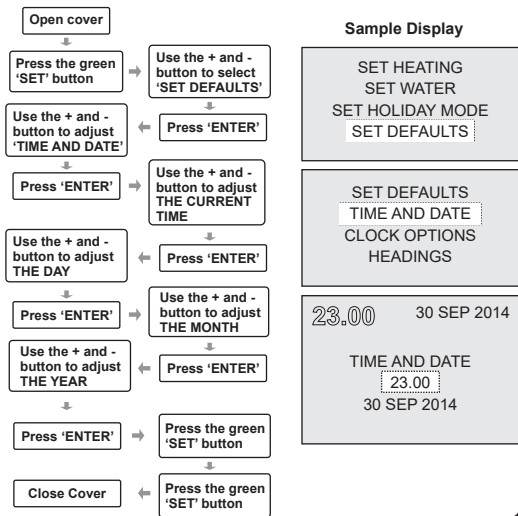
### Options

Heating/Water  
Zones  
Channels

## Adjusting Time and Date

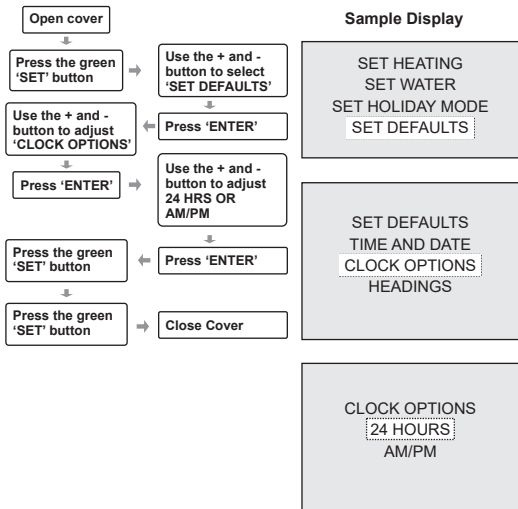
The ChannelPlus H27XL programmer has been set with the current time and date during manufacture. No alteration should be required to the time and date, however if any modification is required please refer to the flowchart below.

PLEASE NOTE: Any alteration to the current time or date will cancel any Holiday programme set. It will also cause any boost or advance operations to be cancelled.



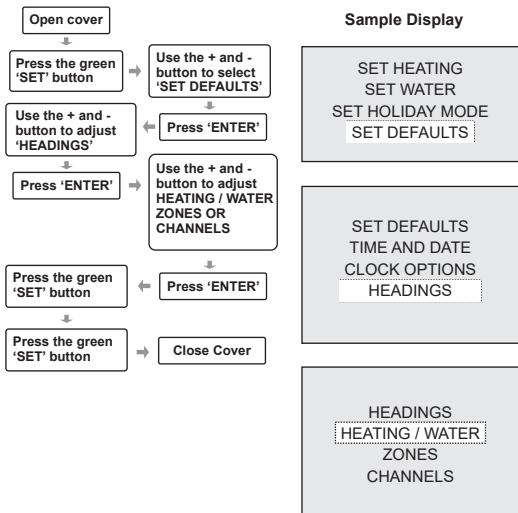
## Adjusting Clock Options

The programmer has been preset to display the time in 24 hour clock format, should you prefer AM/PM format then please use the procedure given in the flowchart below.



## Adjusting Channel Headings

The programmer has been preset to display the channel heading as 'Heating and Hot Water', should you require either the 'Zone' or 'Channel' options then please follow the flowchart below.



## **General Information**

### **BATTERY**

The programmer is fitted with a non-rechargeable, non-serviceable long life battery, which will maintain the clock and programmed time settings with the mains supply disconnected.

**THIS RESERVE SHOULD BE SUFFICIENT TO COVER POWER INTERRUPTIONS DURING THE LIFE OF THE UNIT.**

During power interruptions the display will be blank.

### **SERVICE AND REPAIR**

This programmer is NOT user serviceable. Please do not dismantle the unit. In the unlikely event of a fault developing please refer to the Resetting The ChannelPlus H27XL on page 15 section on the right. If this fails to resolve the problem please contact a local heating engineer or a qualified electrician.

## General Information

### Resetting The ChannelPlus H27XL

Electronic equipment can in some circumstances be affected by electrical interference. If the display becomes frozen or scrambled; or if you wish to revert back to the default settings please use the following procedure:

#### Reset Procedure

PLEASE NOTE: Using this procedure will restore the ChannelPlus H27XL to the original factory programme settings, the time setting will remain correct.

Lower the front flap of the unit. On the right hand Channel press the ADVANCE (Enter) and SELECT (Blue) buttons together, then release and the programmer will return to the preset factory settings.

Advance

Boost

Select



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