

DAVEY®
ClevaLink™

CONTROLLERS

**Installation & Operating
Instructions**

Please pass on to the owner
of this equipment...

DAVEY® ClevaLink™

CONTROLLERS

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Your Davey Clevalink Controller:

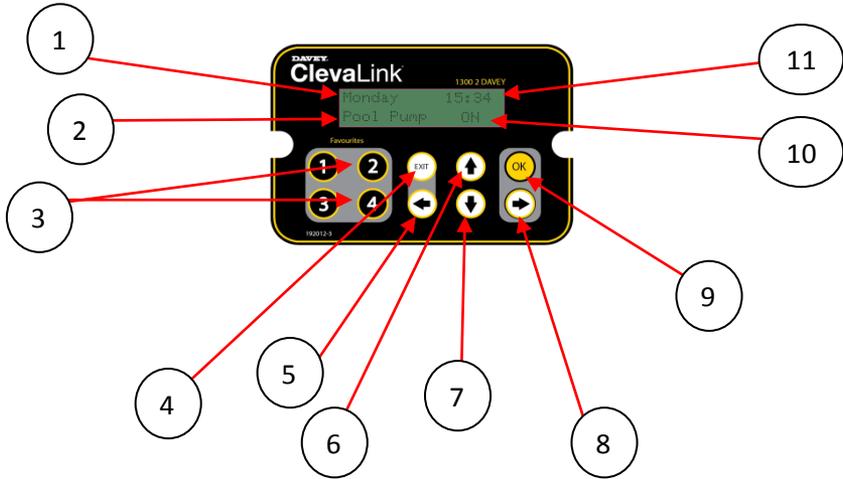
Congratulations on the purchase of your Davey Clevalink Controller. You have made an excellent choice for the convenient and automated control of your swimming pool, spa and other appliances around the home, farm or workplace.

The Davey Clevalink Controller system includes a Master Control Unit (MCU) and a Link Control Unit (LCU) and a Clevalink Remote Control (CLR) which can be operated together or individually to suit your personal needs. If your needs change, you can simply add another LCU device.

Packing Lists:

Model	Description	Contains
CLMCUR	CleverLink Master Control Unit (MCU) with Remote Control	<ul style="list-style-type: none">• Master Controller• 8 Channel Remote• Installation & Operating Instructions• Wall mounting kit• 3 x Remote labels
CLLCUR	CleverLink Link Control Unit (LCU) with Remote Control	<ul style="list-style-type: none">• Link Controller• 8 Channel Remote• Installation & Operating Instructions• Wall mounting kit• 3 x Remote labels
CLLCU	CleverLink Link Control Unit (LCU)	<ul style="list-style-type: none">• Link Controller• Installation & Operating Instructions• Wall mounting kit
CLR	CleverLink Remote Control	<ul style="list-style-type: none">• 8 Channel Radio Frequency Remote• Installation & Operating Instructions• 3 x Remote labels

Product Overview: Master Control Centre (MCU)



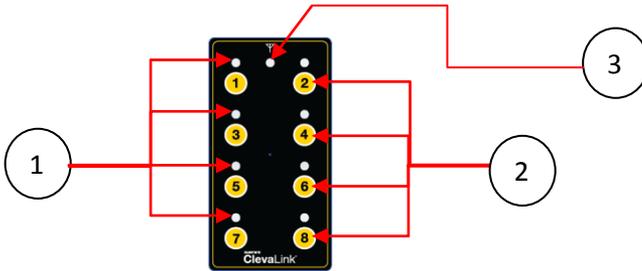
- | | |
|------------------------------------|----------------------|
| 1. Default display Day of the week | 7. Down Arrow |
| 2. Outlet Name/ Number | 8. Forward Advance |
| 3. Favourites 1 to 4 | 9. Select /Confirm |
| 4. Exit | 10. Status of Outlet |
| 5. Back | 11. Current Time |
| 6. Up Arrow | |

The MCU is a sophisticated controller, which includes 16 inbuilt timers, 8 appliance group functions, and macro functions for the ultimate in easy, convenient control.

The MCU provides automated wireless control over multiple Clevalink units so you can easily control many different appliances. It is easy to set up and operate, just set and forget. It includes a clear LCD display, simple touchpad controls and 2 x 10 Amp outlets in a robust, weatherproof, wall-mountable unit.

It also comes with an 8 channel remote control to control individual appliances or grouped appliances at the press of one button.

Clevalink Remote Control (CLR):



1. 8 x Function LED
3. Red / Green signal LED

2. 8 x Pushbuttons

DAVEY

Clevalink Features:

MCU	<ul style="list-style-type: none"> • Clear backlit LCD display • Simple touchpad controls • 16 Timers • Group up to 8 Independent outlets • Up to 8 Macros with 4 programmable functions • 8 Channel Remote transceiver • Favourite Functions menu • 4 x Favourite Hot Keys for simple control from touchpad • Long memory backup from super-capacitor • Dual outlet switch over ride
LCU	<ul style="list-style-type: none"> • 2 x 10A outlets can be controlled by remote and / or Master Control Unit (MCU) • Available with 8 channel remote transmitter • Dual outlet switch over ride
Remote Control	<ul style="list-style-type: none"> • 8 Hot buttons to control wirelessly connected appliances, groups or macro functions • Function ON/OFF LED's • Signal strength LED • Simple to use • Weather and water resistant (Not water proof)

Technical Data:

Model	MCU / LCU
Power (V)	220-240
Power Outlets	2
Outlet rating (A)	10A Total
Power Lead length (m)	1.9
Electrical Approval	NSW23093
IP	53

Dimensions:

(mm)	Height	Width	Depth	Mounting Holes (Horiz)	Mounting Holes (Vert)	Mounting Holes Diam
MCU	208	119	88	99	188	5
LCU	124			99	104	

Installing the Master Control Unit (MCU):

1. When installing your MCU it is easier to program the network prior to mounting. Simply plug in to any power outlet to activate the unit and begin programming. Refer to the section titled "Programming the MCU".
2. Mount the MCU in a location that is greater than 3.5 meters from the pool zone and less than 1.5 meters from a power supply socket. Make sure the unit is within range of other units before mounting.
3. Plug the appliances to be controlled, into the outlets in the base of the MCU.

WARNING: The total current of the MCU must not exceed 10 Amp. The unit must be installed in the upright position.

4. Plug the mains input lead into the power outlet 240V supply.
5. Switch on the power outlet and the 2 override switches on the MCU unit (mechanical rocker switch above the outlets).

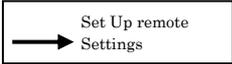
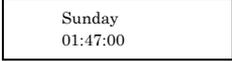
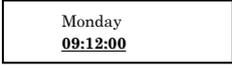
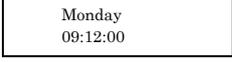
Programming the MCU:

When installing a network of Clevalink Master Controller and Link Control Units, it is easier to program the network prior to installation.

Hot Keys

At any time pressing Hotkeys 1 to 4 on the MCU touchpad will activate Favourites 1 to 4. All other buttons are used to navigate the menus. Below is a list of the SMART LINKING CONTROL Master Controller menus.

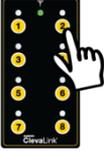
Setting the Clock:

Press	Selected	Display
	Main Menu	
 X 6	Settings Menu	
	Set Clock	
	Clock	
	Change clock	
	Adjust the time	
	Store Changes	

Setting up the Remote (MCU):

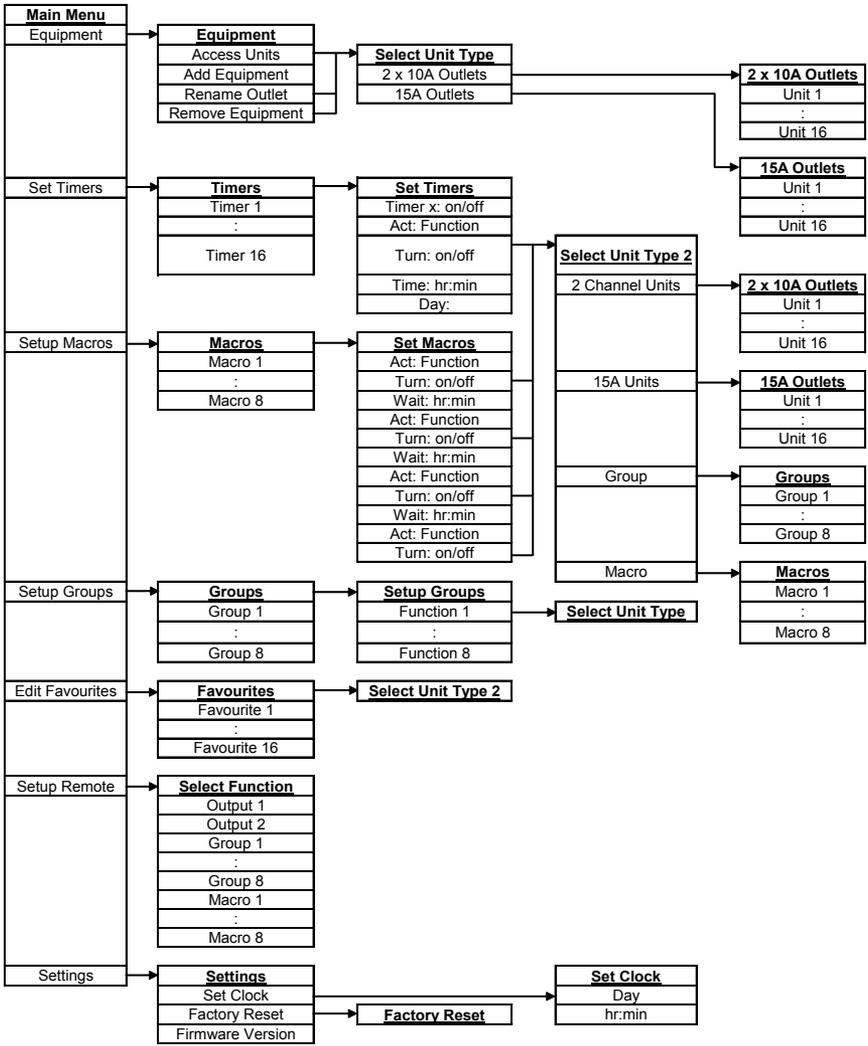
WARNING: Do not drop or submerge the remote control in water. It is only resistant to wet hands.

Set up the remote to control an appliance or group

Press	Selected	Display
	Main Menu	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>→ Equipment Set Timers</p> </div>
	Setup Remote Menu	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>→ Edit Favourites Set Up Remote</p> </div>
 OR 	Select Outlet, Group or Macro to be controlled	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>→ Outlet 1 Outlet 2</p> </div>
	Transmit I.D.	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>→ Transmitting Outlet 1</p> </div>
	Press and hold selected remote button Signal LED will flash Green When I.D. has been sent Function LED will flash Red Then Green.	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>→ Transmitting Outlet 1</p>  </div>
	Store Changes	
	Record the function of the remote button on the label supplied	

NOTE: Once you have set up your remote control, you can record the function of each remote button on the labels supplied with the unit.

Master Control Unit (MCU) Menu Structure:



 <p>Press to enter main menu from default display</p>	 <p>Press to navigate through menu structure</p>
 <p>Press to save a setting</p>	 <p>Returns to last screen</p>

Setting Up a Group:

Use this Function to wirelessly connect and activate multiple outputs with one action.

Select	Press / Use
Main Menu	Press Menu (➡) Button
Setup Groups	Press Arrow Up/Down to find "Setup Groups". Select with Enter button. A list of 8 Groups will appear.
Select Group	Press Arrow Up/Down to find new group. Select with Enter button. Note: For new groups 8 x "Free Space" spots will appear.
Free Space	Press Enter (↵) .
Type of outlet (2x10A or 15A).	Press Arrow Up/Down button to select outlet type. Select with Enter button.
Select Outlet / named appliance	Press Arrow Up/Down button to select an outlet / appliance for the group. Press Enter. Arrow Up/Down button to select another outlet / appliance for the group. Press Enter(➡) . Repeat for up to 8 appliances.
Exit to Default display screen	Press Exit button x 3 / Wait 30 secs for screen to return to default display

Adding an LCU to the Master Control Unit:

To wirelessly connect one or multiple LCU devices to the MCU

First read Installing an LCU on Page 14

Select	Press / Use
Main Menu	Press Menu (➡) Button
Equipment Menu	Press Menu (➡) Button
Add Equipment	Press Arrow Up/Down to find "Add Equipment". Select with Enter button
Search for local LCU	<p>Press Menu button to activate "Searching".</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>(((((Searching)))))</p> </div> <p>Press and hold a button on the top of the LCU to transmit its ID. When the LCU (outlet) is found the display will read "Unit Added". Press the OK or Press Menu/Enter (➡) Button</p>
Exit to Default display screen	Press Exit button x 2 / Wait 30 secs for screen to return to default display. To rename the new unit, see "Renaming an Outlet"

Setting the Timers:

Select	Press / Use
Main Menu	Menu (➡) Button
Set Timers	Arrow Up/Down to locate. Select with Enter (➡) button.
The timer which you want to use	Arrow Up/Down to locate. Select with Enter (➡) button.
“ACT”	Arrow down to locate. Select with Enter (➡) button
Type of outlet. 10A or 15A	Arrow Up/Down to locate. Select with Enter (➡) button.
The appliance to be controlled	Arrow Up/Down to locate. Select with Enter (➡) button. Display will return to timer set up display.
“On Time”	Arrow down to locate “On Time”. Select with Enter (➡) button. Enter (➡) again to select Hours or Minutes. Use UP/DOWN cycle through numbers. Press OK when complete.
“Day”	To change press Enter(➡). Use UP/DOWN arrows to select “Weekends”, “Every Day” or a day of the week. Press OK
“Off Time”	Arrow down to locate “Off Time”. Select with Enter (➡) button. Enter (➡) again to select Hours or Minutes. Use UP/DOWN cycle through numbers. Press OK when complete.
“Day”	As above
Exit to Default display screen	Exit button x 4 / Wait 30 secs for screen to return to default display

Removing an LCU from the MCU:

Select	Press / Use
Main Menu	Press Menu (➡) Button
Equipment Menu	Press Menu (➡) Button
Remove Outlet	Press Arrow Up/Down to find “Remove outlet”. Select with Enter button
The outlet type	Press Arrow Up/Down button to select outlet type (2x10A or 15A). Select with Enter button.
The appliance	Press Arrow Up/Down button to select the appliance (or New Unit) to be removed. Select with Enter button.
Exit to Default display screen	Press Exit button x 4 / Wait 30 secs for screen to return to default display

Renaming an Outlet:

Select	Press / Use
Main Menu	Press Menu (➡) Button
Equipment Menu	Press Menu (➡) Button
Rename Outlet	Press Arrow Up/Down to find "Rename outlet". Select with Enter button
Type of outlet to be renamed (2x10A or 15A).	Press Arrow Up/Down button to select outlet to be renamed. Select with Enter button. A list of appliances / outlets will appear.
Appliance to be renamed	Press Arrow Up/Down to find name to change. Select with Enter button. The name will flash.
New Name	Press Arrow Up/Down to find new name from list. OK to select. If name not available press Enter to write a new name. Use Arrow Up/Down buttons to select letters or numbers to complete name. Press Enter to move through characters. Press OK to complete.
Exit to Default display screen	Press Exit button x 5 / Wait 30 secs for screen to return to default display

Editing "Favourites":

Once LCU's (Outlets) have been added to the Master Control Centre, the outlets, Groups & Macros can be added to the Favourites list and the order rearranged. The 4 "Favourites" buttons on the MCU touchpad activate the first 4 in the favourites list.

If you create a group or a macro you can edit the favourites to include them on the Hot Keys.

Select	Press / Use
Main Menu	Press Menu (➡) Button
Edit Favourites	Press Arrow Up/Down to "Edit Favourites" with down button. Select with Enter button
Desired Favourites position	Press Arrow Up/Down button to select position of favourite. Select with Enter button.
Type of outlet. 10A or 15A?	Press Arrow Up/Down button to select outlet. Select with Enter button.
Desired appliance from Access Equipment Menu	Press Arrow Up/Down through the appliance list & select with Enter (➡) button. If you cannot find desired appliance in the list, create own using Enter button, followed by Up/Down arrows to select alpha/numeric forms.
Exit to Default display screen	Press Exit button x 3 / Wait 30 secs for screen to return to default display

Resetting the Factory Settings:

The Settings menu provides access to the Factory Reset sub-menu. When Factory Reset is selected by pressing the ENTER or OK buttons a confirmation screen is displayed. If the OK button is then pressed the unit will delete all programmed data and return to the original state.

Select	Press / Use
Main Menu	Press Menu (➡) Button
Settings	Press Arrow Up/Down to "Settings". Select with Menu button
Factory Reset	Press Arrow Up/Down to "Settings". Select with Menu button

Link Control Unit (LCU)



1. Outlet 1 indicator LED
2. Outlet 1 override / program LED
3. Outlet 2 indicator LED
4. Outlet 2 override / program LED

The LCU is a 2 x 10 Amp weatherproof and wall mountable outlet that can be remote controlled and wirelessly linked to the MCU and other LCU's to control your pool and yard appliances.

Installing an LCU:

1. When installing your LCU it is easier to program the network prior to mounting. Simply plug in to any power outlet to activate the unit and begin programming. Refer to the section titled "Operating the LCU".
2. Mount the LCU in a location that is greater than 3.5 meters from the pool zone and less than 1.5 meters from a power supply socket.
3. Plug the appliances to be controlled, into the outlets in the base of the LCU.

WARNING: The total current of the LCU must not exceed 10 Amp

4. Plugs the mains input lead into the power outlet 240V supply.
5. Switch on the power outlet and the 2 override switches on the LCU unit (mechanical rocker switch above the outlets).

Operating the LCU:

Press	Selected	Display
	<p>Press and Hold outlet power button, Red LED Will start to flash, keep holding and go to next step.</p>	
	<p>Press and hold selected remote button, Signal LED will flash Green when I.D. has been sent, Function LED will flash when I.D. has been received. Release buttons.</p>	
	<p>Record the function of the remote button on the label supplied</p>	

DAVEY WATER PRODUCTS GUARANTEE FOR

AUSTRALIA & NEW ZEALAND

This Davey product is guaranteed to be free of material or manufacturing defects for one year

TERMS AND CONDITIONS

1. This guarantee applies to all states and territories of Australia and New Zealand only and is subject to the provisions of the Trade Practices Act (Aust.), the Goods and Consumer Protection Legislation of the various Australian states and the Consumers Guarantee Act 1993 (NZ) as applicable.
2. The guarantee period commences on the date of original purchase of the equipment. Evidence of this date of original purchase must be provided when claiming repairs under guarantee. It is recommended you retain all receipts in a safe place.
3. This guarantee covers parts and workshop labour only. Goods should be forwarded, with proof of date of original purchase, to an Authorised Davey Service Centre freight paid. Any travel and removal/reinstalling charges for goods repaired infield will be to the owners account. Guarantee may be denied on goods not readily accessible for service personnel or mounted on exterior walls above single storey level.
4. The guarantee for commercial applications such as hotels, motels, caravan parks, health clubs, public pools etc. is for 12 months (1 year) only, subject to equipment sizing in accordance with Davey's recommendations.
5. This guarantee is subject to due compliance by the original purchaser with all directions and conditions set out in the Installation and Operating Instructions. Failure to comply with these instructions, damage or breakdown caused by fair wear and tear, negligence, misuse, incorrect installation, chemical or additives in the water, inadequate protection against freezing, rain or other adverse weather conditions, corrosive or abrasive water, lightning or high voltage spikes or through unauthorised persons attempting repairs are not covered under guarantee. The product must only be connected to the voltage shown on the nameplate.
6. Without limiting the original purchaser's entitlements under the Trade Practices Act (Aust.), the Goods & Consumer Protection Legislation of the various Australian states, or the Consumers Guarantee Act 1993 (NZ), Davey shall not be liable for any loss of profits or any consequential, indirect or special loss, damage or injury of any kind whatsoever arising directly or indirectly from the product or any defect.
7. Where the Trade Practices Act (Aust.), the Goods and Consumer Protection Legislation of the various Australian states and the Consumers Guarantee Act 1993 (NZ) does not apply. Davey shall not be liable for any loss of profits or any consequential, indirect or special loss, damage or injury of any kind whatsoever suffered by the purchaser arising directly or indirectly from the product or any defect and the purchaser shall indemnify Davey against any claim by any other person whatsoever in respect of any such loss, damage or injury.
8. Nothing in this guarantee is intended to have the effect of contracting out of the provisions of the Trade Practices Act (Aust.), the Goods and Consumer Protection Legislation of the various Australian states and Consumers Guarantee Act 1993 (NZ) except to the extent permitted by the various Acts and this guarantee is to be modified to the extent necessary to give effect to that intention.
9. Davey may be collecting personal information from you in order to provide you with a service. Davey Water Products Pty Ltd promises only to use this information in accordance with the Provisions of the