infinity output *(Requires 'infinity Link' v1.1.0 or higher for ESL or ESX mode)*

infinity series
powered by EliteControl

1CH Wireless Output Module for ESL, ESX or Standalone Operation

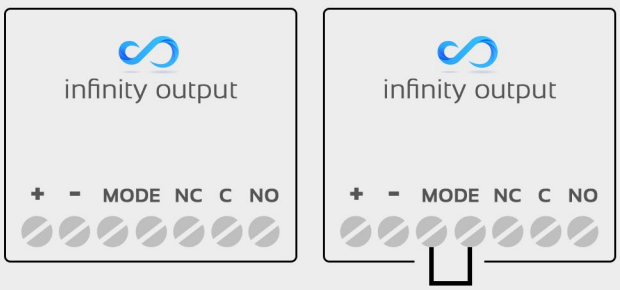
Specifications

Power Input	10 - 24VAC / 12 - 30VDC
Standby Current	30mA
Operating Current	40mA
Relay Contacts	Clean - 4A @ 30V
Relay Function	Momentary & Latching
Frequency & Modulation	915MHz / GFSK
Wireless Range	Up to 500m Line of Sight
Protocol	infinity 2 Way Encrypted
Indication	Relay & Program LED's
Operating Temperature	-20°C to 50°C
Environment Humidity	85% max
Weight	25g
Dimensions	42 x 36 x 20mm
Supports	Up to 250 infinity remotes
IP Rating	IP20 (indoor use only, or in an approved enclosure)

MODE/Function

Follow the diagram below to configure the infinity output for ESL/ESX **OR** standalone functionality.

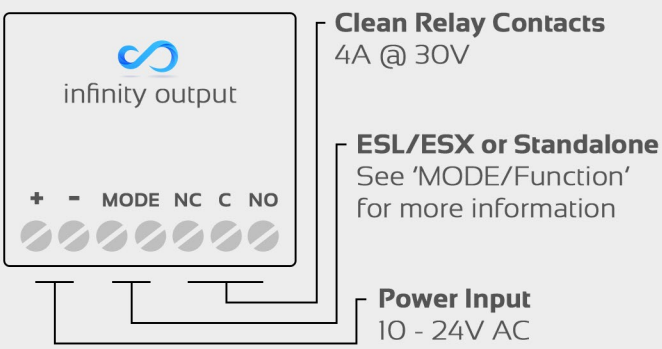
- *A power cycle is required after changing the 'MODE' of this device.*



Standalone
No link fitted to 'MODE' terminals

ESL or ESX
link fitted to 'MODE' terminals

Terminal Overview

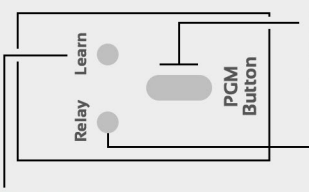


Clean Relay Contacts
4A @ 30V

ESL/ESX or Standalone
See 'MODE/Function' for more information

Power Input
10 - 24V AC
12 - 30V DC

Learn Button & LED Indicators



Learn or Default Button
See following page for more information

Blue LED = Relay
Follows relay state. LED is ON when relay is active & OFF when relay is inactive

Red LED = Learn/Delete
Indicates learn or delete status. See following page for more information

Green LED = Module is receiving a signal

Defaulting infinity output Programming (important before proceeding to programming section)

If the 'infinity output' has previously been learnt to another device it may require defaulting. To do so, press and hold the 'PGM' button while powering up the device & continue to hold.

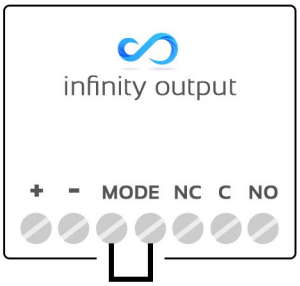
The LED will display **solid red** and **turn green** when default is successful.

Once default is successful you can proceed to programming instructions on the next page.

Note: If you are installing a completely new system we also recommend defaulting the infinity link using the same method described above. ***Warning:*** *Defaulting the infinity link will unpair any previously learnt devices.*

ESL or ESX Mode *(Requires ESX firmware v10.2.468 & infinity link v1.1.0 or higher)* *(Requires wire link)*

When an infinity output is learnt into the ESL or ESX it directly follows the programming of the control panel & therefore can be operated by any user interface connected to the system. I.e. App, keypad, remote or time schedule.



Learning

Make sure you are in installer programming & the infinity link is connected to the ESL or ESX keypad bus before proceeding.

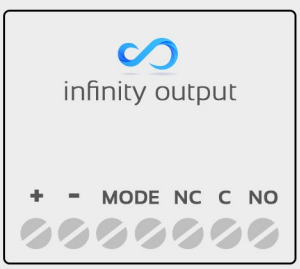
- Press PROG 99 ENTER, then the output# you want the infinity output to follow, then press ENTER. Now press ENTER again & the keypad should start beeping, indicating that the ESL or ESX is waiting for an infinity output to be learnt
- Next press the PGM Button on the infinity output module & its LED will flash RED, then GREEN 2 times, indicating that the learn was successful.
- Providing the control panel programming is correct, the infinity output can now operate the garage door, gate or other device it is connected to.

Example:
P 99 E 4 E E - Then press 'PGM Button' on the infinity output & the learn is complete.

Enter 2 times to start keypad learn beeps
Output you would like the infinity output to follow on the ESL or ESX
Programming Address

Standalone Mode *(for direct use with infinity remotes)* *(no wire link)*

infinity remotes can be learnt directly into the infinity output module (with connected power supply) to operate garage doors, gates & more.



Learning

- The infinity output 'PGM Button' performs multiple learn/delete functions as detailed below. Once the required function has been selected, press a button on the infinity remote to learn.
- Each time a button is learnt the infinity output will exit programming mode.

*Note: If a remote has been previously learnt into an infinity link or output, it **CAN NOT** be learnt to another link or output without cloning the modules alike. Visit www.aap.co.nz/out for cloning instructions.*

PGM Button Functions

1st Press: 2 Flashes Per Second = Button will learn a momentary (2 second) relay operation.

2nd Press: 1 Flash Per Second = Button will learn a latching/toggle relay operation.

3rd Press: 10 Flashes Per Second = Delete any remote button by pressing the button you wish to delete.

4th Press: Exits program mode and returns the infinity output to normal operation. Automatically times out of programming mode after 30 seconds.

Cloning Modules

*(Required when using multiple standalone modules **OR** standalone modules along with ESL/ESX modules, all paired to the same remote).*

Visit www.aap.co.nz/out for cloning instructions.