

## WAKE-ON-LAN DRIVER FOR CRESTRON HOME

Revision: 2.01

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### CRESTRON HOME ONLY

This document describes the configuration of Ultamation's Wake-on-LAN custom device drivers for Crestron Home only. This is a utility module to allow devices that are otherwise stuck in low power mode to be brought out of sleep. There is no feedback.

### ADDITIONAL READING

Please refer to the Using 3<sup>rd</sup> Party driver document for instructions on installation and configuration of the driver with Crestron Home.

### MODULE DESCRIPTION

The extension module provides the transmission of Wake-on-LAN packets across a local area network. The Wake on LAN packet requires the MAC address of the target machine, and a network address to send the packet to. This is normally the local broadcast domain (i.e. 255.255.255.255)

Each device to be controlled will require a separate definition using the driver, but the same licence key can be used for multiple devices on a single processor.

The driver can be triggered from the UI tile (with a fixed MAC address) or from custom actions using sequences with any MAC address you chose.

The format of the MAC address 6 hexadecimal octets (the standard form commonly used). It is not case sensitive, and octets may be, optionally, separated using one of the following characters: '-' (hyphen), ':' (colon), '.' (period/full stop).

After importing the driver (see the general "How to" document), the Wake-on-LAN tile will be found under:

Devices > Custom Device > Ultamation

### Adding the Tile

Ensure a room is selected, and then click on the '+' against the Wake-on-LAN driver item.

You will be asked to provide a descriptive name for the tile – this can be anything you wish.

The IP address specified is the destination address for the packet. This is normally just the broadcast address of "255.255.255.255".

The port will default to '9' and this will normally be fine. Other ports sometimes used are '0' and '7'.

Authentication is not required or supported.

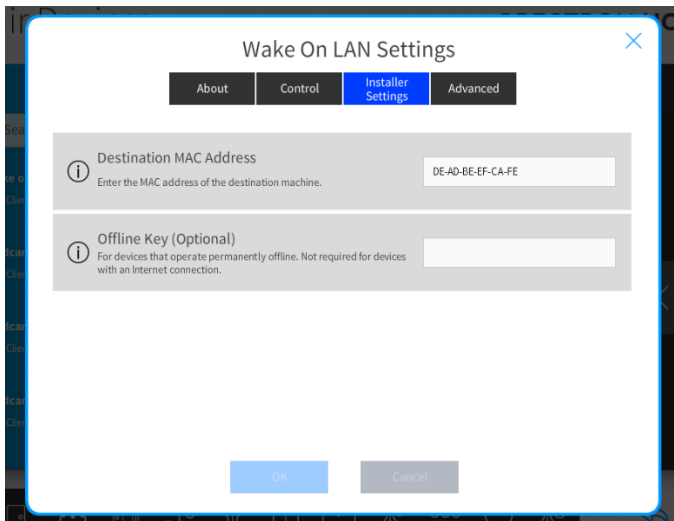
Wake-on-LAN SecureOn passwords are NOT supported.

The device will be added to your system and you will be asked to enter some more settings.

The first parameter is the target device MAC address used to send the Wake-on-LAN packet the tile is tapped in the Crestron Home UI.

Examples of valid formats for this parameter are:

- ☼ DE:AD:BE:EF:CA:FE
- ☼ 11.22.33.44.55.66
- ☼ 0A-1B-2C-3D-4E-5F
- ☼ FEDCBA123456



The second parameter is an optional "offline" key which can be requested under special circumstances. Please FIRST refer to the "Licencing" section below and then contact [support@ultamation.com](mailto:support@ultamation.com) if you REQUIRE offline activation. The same offline key can be used for multiple driver instances in the same system.

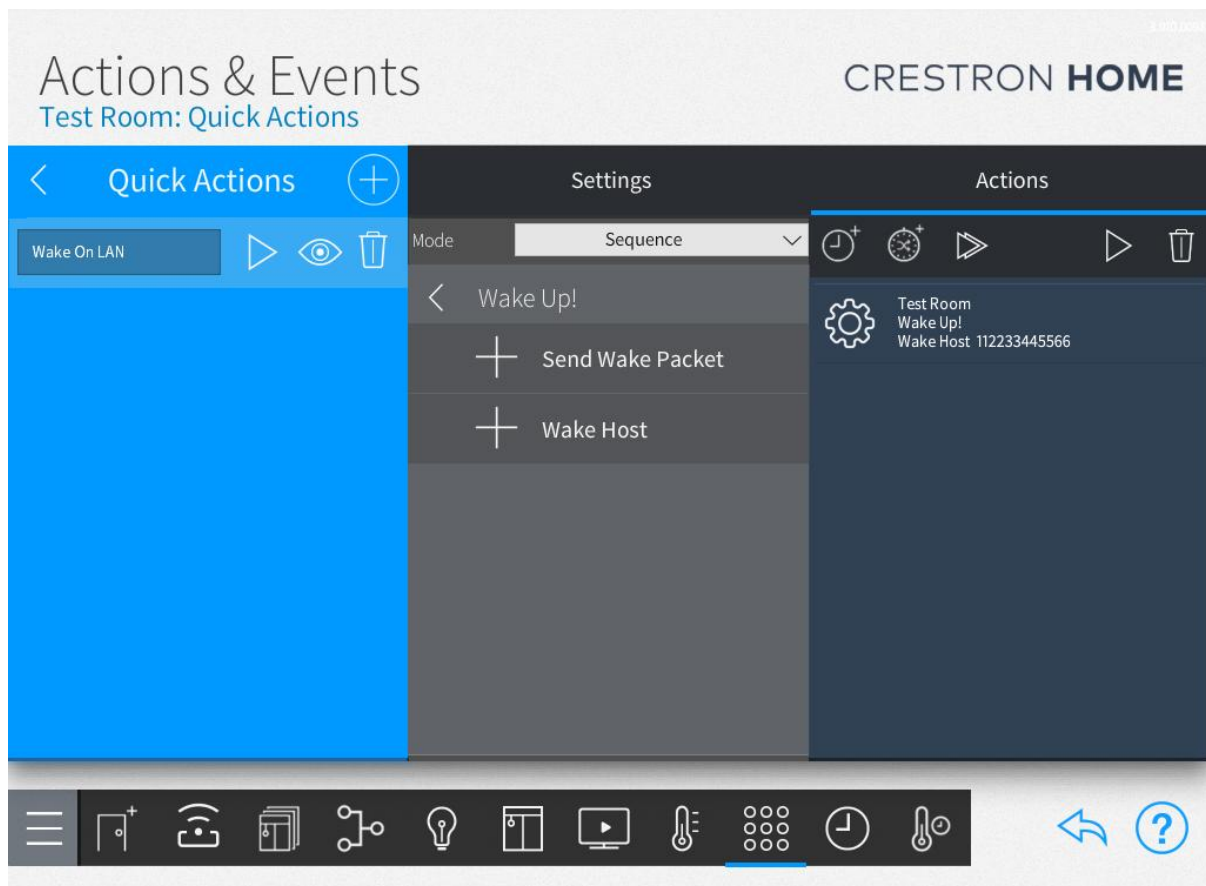
The same key should be used in each tile in the system (though different Crestron Home systems will require different offline keys). If you do not have a cloud licence and do not enter a valid offline licence, the system will function for 1 hour and then control will be suspended. The offline key can be entered at any time after initial setup without having to reconfigure each tile.

## QUICK ACTIONS & SEQUENCES

Each tile also exposes two programmable functions. "Send Wake Packet" and "Wake Host". Send Wake Packet will wake the device for the configured MAC.

Wake Host provides an opportunity to wake an arbitrary MAC address.

This can be used if you only want to use WoL from sequences but wake multiple machines – only a single tile is required, and this tile could be placed in a "hidden" room.



## SUPPORT

If you have any issues with a driver or installation please let us know by contacting Ultamation support on [support@ultamation.com](mailto:support@ultamation.com) and please include as much detail about your issue as possible, such a recent processor error log.

Licence verification messages are posted to the error log, so please ensure you have checked this.

## LICENCING

This driver (including software, images and all other associated assets distributed as part of the purchased download package) is licenced on a PER PROCESSOR basis.

A purchase should not be completed without correct information as refunds cannot be issued for errors or changes made to details following purchase.

This is an electronic product and there is no physical delivery.

The driver is provided without any warranty with respect to the reliability of the controlled device or changes to device protocol. We will endeavour, through best efforts, to maintain the driver's functionality and any bug fixes will be provided free-of-charge. Additional functionality may be released as a variation of this driver and this will be a separate, purchasable, product.

## CLOUD LICENCE

This driver contacts Ultamation's licencing server at startup. If the server finds a matching licence for the driver and processor then the driver will be licenced. Otherwise, the driver will check the offline licence key. If you purchase a licence AFTER you have loaded the driver, please reboot the system to see changes take effect.

If you purchased a licence **before** it was migrated to the cloud service, i.e. you have a licence key already, you must enter this into the **Offline Key** user attribute. If you purchased the driver **after** it was migrated, and you don't have a licence key, no further action is required.

If no licence exists for the product/processor the driver will enter a short trial period (ONE HOUR) to allow for verification of correct control or evaluation.

To request an OFFLINE key, please contact [support@ultamation.com](mailto:support@ultamation.com) with your order details and a brief explanation why you REQUIRE offline activation. Ultamation reserve the right to refuse offline activation.

**NOTE:** Once an offline key has been issued no further licence changes will be granted. Moving the product to a new processor will require an additional licence purchase.