

# DATASHEET



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## Wake-on-LAN Module for Crestron

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### **Summary**

This datasheet relates to Ultamation's Wake-on-LAN Module for Crestron control.

The purpose of this control is to provide the functionality for Crestron processors to send Wake-on-LAN packets to other devices on the subnet.

This functionality can be useful for any number of reasons: power management may cause computers in a meeting room to go to sleep after a certain amount of time. A well timed Wake-on-LAN packet to wake each computer shortly before a scheduled meeting can make all the difference to the usability of the system.

## Programming Notes

Signal	Purpose
Wake	Set this signal high to trigger sending the Wake-on-LAN packet.
MAC\$	The target device MAC address in the form \xhh\xhh\xhh\xhh\xhh\xhh. Send this to the module sometime prior to setting "Wake" high.
Tx\$	The magic packet. Send this to the UDP/TCP client symbol.

The destination IP address is normally a broadcast address, but can be a specific target if you're going over the net.

If the PC is on the same subnet as the Crestron processor:

- Add a UDP/IP Communications module to the system
- Give it an address of 255.255.255.255 (broadcast)
- Set it's port number appropriately (default 9d, but 0 or 7 are also used)
- Enable the UDP client

## Licence

Purchase of this software gives you (or the company, if purchased on behalf of an organisation) the right to implement the module in any number of your own projects only. The software may not be passed on to any 3<sup>rd</sup> party, even in a modified form.

Future revisions of the software, whether bug fixes or additional features, will be provided free of charge to existing customers.

This module is password protected and any attempt to subvert or defeat this protection is strictly prohibited.