

# A704-5 Handheld Controller



**900MHz Radio Transceiver Antenna**  
Allows for control of multiple groups of lights.

**Backlit Controller Keypad**  
LED indicators with adjustable intensity allow for maximum visibility day and night.

**VHF Input**  
Controller can be interfaced with a VHF receiver for pilot activated lighting.

**Rugged Weatherproof Design**  
Tested to IP 67, and able to operate in temperatures ranging from -40°C to +85°C.

**AC Input**  
Controller can be plugged into AC outlet for charging or an external power supply.

A704-5 Handheld Wireless Controller shown with A704-5 wireless airfield light and night vision goggles (not included)

## Airfield Lighting Control from the Ground or Air

Carmanah's new A704-5 Handheld Wireless Controller allows full remote control of any number of Carmanah's A704-5 solar-powered LED airfield lights. Using a secure, 256-bit encrypted 900MHz signal, the controller reliably communicates with the lights over a range of up to 4 kilometers. The controller's rugged LED-backlit keypad offers three backlighting intensity settings for easy use day or night.

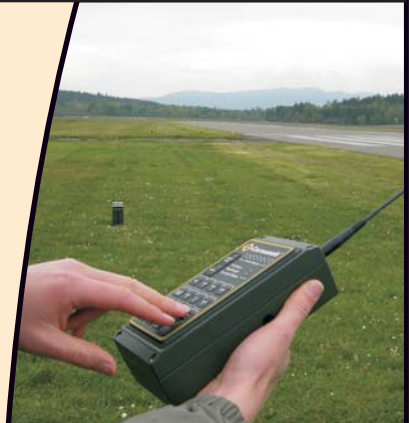
Carmanah's Handheld Wireless Controller contains a radio modem, supporting electronics (based on the MSP430 processor), a weatherproof keypad and LED indicators. It also supports:

- An external interface suitable for connecting to an off-the-shelf, stand-alone aviation band VHF receiver, to facilitate pilot-controlled lighting operation, also referred to as radio control of airfield lighting or ARCAL mode.
- An external serial interface (military-style connector) for future applications with sophisticated laptop control

### Features include:

- The ability to withstand aggressive use and extreme environments – tested to IP 67 and operates reliably in temperatures ranging from -40° to 85°C
- The ability to operate on a continuous basis for 24 hours on a single charge
- Powered by a rechargeable lithium-ion battery (included); recharges via an AC/DC wall plug
- LED-backlit keypad for clear visibility day or night

Compact, lightweight and durable, Carmanah's Handheld Wireless Controller is designed to withstand extreme temperatures and meets the environmental requirements of MIL-SPEC-810.



A704-5 Handheld Wireless Controller



A704-5 Wireless Airfield Light

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