

2.4GHz Wi-Fi Gateway for MiBoxer RF Controllers with App and Voice Control

OVERVIEW

The C-5IN1-WG (Model WL-Box2) is a 2.4GHz Wi-Fi gateway designed to bridge MiBoxer 2.4GHz RF controllers with smartphone and voice-control platforms. Powered via USB Type-C at 5V/500mA, it connects to the Tuya Smart app over a 2.4GHz Wi-Fi (IEEE 802.11b/g/n) network, enabling remote control, timer scheduling, tap-to-run automation, and home-sharing functions across up to 100 addressable zones.

The gateway communicates with paired MiBoxer 2.4GHz RF devices at a control distance of up to 30m and a transmitting power of 6dBm. It supports dimming, color temperature adjustment, saturation control, and 16 million color selections. Operating temperature range is -10°C to 40°C. The copy-remote function allows the gateway to inherit an existing remote's linked fixtures, reducing commissioning time. Voice control is supported through Amazon Alexa and Google Home via the Smart Life skill integration.

No certifications are confirmed in the available source documentation. Installers should keep the device away from magnetic interference sources and avoid locations with direct sunlight, high heat, or elevated humidity. Consult Poli LED & Signs for applicable warranty terms.

SPECIFICATIONS

Input voltage	5V 500mA (Type-C)	Weight	0.2
Operating temp	-10 to 40 °C	Dimensions	64.5 x 64.5 x 15 mm