



COMPATIBLE CONTROLLERS:



ESP-ME3



ESP-ME



ESP-TM2



ESP-RZXe



ESP-LXME2



ESP-LXIVM



To verify your Rain Bird Controller is compatible, look for a "LNK™ Ready" symbol on the front panel.

This product requires 2.4 GHz WiFi band. It is not compatible with 5.0 GHz.

EASY-TO-INSTALL HARDWARE:

The LNK2 WiFi Module shall connect directly to the accessory port featured on compatible controllers.

MOBILE APPLICATION:

A mobile application with user interface shall install on the user's smart device and allow remote configuration of multiple Irrigation Controllers. Options for irrigation scheduling shall be provided as well as access to current weather conditions.

SUPPORTED MOBILE DEVICES:

The LNK2 WiFi Module Mobile Application shall be available for devices running the following operating systems:

- iOS 8.0 or later
- Android 6.0 (Marshmallow) or later

WiFi NETWORKING:

- The LNK2 WiFi Module shall provide direct wireless communication to compatible smart devices through a WiFi Access Point
- Connecting to the Rain Bird Cloud Server shall allow the server to send a daily seasonal adjustment once per day based upon the Controller's ZIP code
- Push notifications shall be available through Google Cloud Messaging or Apple Push Notification Service
- A multi-color LED light on the LNK2 WiFi Module shall indicate status of the Access Point and Internet connections

WiFi CONNECTION SECURITY:

The LNK2 WiFi Module shall automatically detect the appropriate WiFi security mode using a user-provided network SSID and network key.

SECURITY MODES SUPPORTED:

- Open
- WPA-TKIP
- WPA2-TKIP
- WPA2-AES-TKIP
- WEP
- WPA-AES
- WPA2-AES

OPERATING SPECIFICATIONS:

Operating Temperature:

14°F (-10°C) to 149°F (65°C)

Storage Temperature:

-40°F (-40°C) to 150°F (66°C)

Operating Humidity:

95% max @ 50°F to 120°F (10°C to 49°C)
non-condensing environment

ELECTRICAL SPECIFICATIONS:

24-25.5 VAC 50-60Hz 0.1 A

HOW TO SPECIFY:

Models: LNK2WIFI

WIRELESS COMMUNICATION SPECIFICATIONS:

- WiFi: 2.4 GHz Band IEEE-802.11 b,g,n Channels 1-11 only
- Bluetooth: v4.0, BLE
- Maximum radio-frequency power: 19.90 dBm
- Operating frequency band: 2402-2480 MHz
- Antenna type: PCB Antenna
- Antenna gain: 3.7 dBi

DIMENSIONS:

Width: 1.13"
Height: 1.83"
Depth: 0.48"

CERTIFICATIONS:

USA: UL-US, FCC Part 15c, WaterSense (when used with ESP-ME3, ESP-TM2, ESP-LXIVM, ESP-LXIVM Pro, ESP-LXME2 or ESP-LXME2 Pro); Canada: C-UL, ISED RSS-247; Mexico: NOM, IFETEL; European Union: CE; Australia and New Zealand: RCM; Argentina: ENACOM; Brazil: ANATEL; Chile: SUBTEL; China: CMIIT; Costa Rica: SUTEL; Ecuador: ARCOTEL; India: WPC; Iraq: CMC; Israel: MOC; Japan: MIC; Kuwait: CITRA; Lebanon: MoT; Morocco: ANRT; Oman: TRA; Pakistan: PTA; Panama: ASEP; Paraguay: CONATEL; Saudi Arabia: CITC; Singapore: IMDA; South Africa: ICASA; Sri Lanka: TRC; Thailand: NBTC; Ukraine: UkrSEPRO; UAE: TDRA; Uruguay: URSEC.



SPECIFICATIONS:

The LNK2 WiFi Module is designed for direct plug-in connection to the accessory port on Rain Bird ESP-ME3, ESP-TM2, ESP-RZxe, ESP-LXME2, ESP-LXIVM, or ESP-ME (2016 or newer) Irrigation Controllers.

The connector interface shall have adequate mechanical resistance to prevent accidental disconnect during normal use, while allowing easy tool-less insertion and removal by the user.

The LNK2 WiFi Module shall support direct WiFi communication to a mobile device through a 2.4GHz Band WiFi Access Point (hotspot) inside the LNK2 WiFi Module, or through a LAN connection broadcast by an external WiFi router. At power-up, the LNK2 WiFi Module's internal WiFi Access Point (hotspot) shall be automatically enabled if a LAN connection is unavailable.

The LNK2 WiFi Module shall support network communications over a WiFi network connection.

The LNK2 WiFi Module shall utilize Bluetooth Low Energy during the set up process.

The LNK2 WiFi Module shall have a user accessible push button for configuration and incorporates a red, green, blue (RGB) LEDs as status indicators.

A short button-press will toggle the LNK2 WiFi Module's WiFi Access Point (hotspot) Mode functionality ON/OFF.



The LNK2 WiFi Module shall have a Factory Default settings reset feature that is accessed through the device push button.

- To execute a Factory Default, press and hold the push button on the LNK2 WiFi Module for 5 seconds.

The Mobile Apps weather report shall display the current day plus 4 day weather forecast for the target location. The source of weather data is as follows:

- United States: NOAA
- Canada: Environment Canada
- Europe: European Centre for Medium-Range Weather Forecasts (ECMWF)
- Japan: Japan Meteorological Agency
- All other International: METAR

The Mobile Device App shall represent Controllers through "cards" that may be organized into groups. The Mobile App Home Screen contains all Controllers. Users can create additional Controller Groups with selected Controllers. Controller cards can be deleted manually by the user.

The Mobile App Home View Controller cards shall show an image of the Controller with name, type, the number of zones supported and interface icons for Remote, Calendar, Share and Delete features.

The LNK2 WiFi Module shall support server communications by connecting to (polling) the server on regular intervals. The server check-in interval is every 10 seconds.

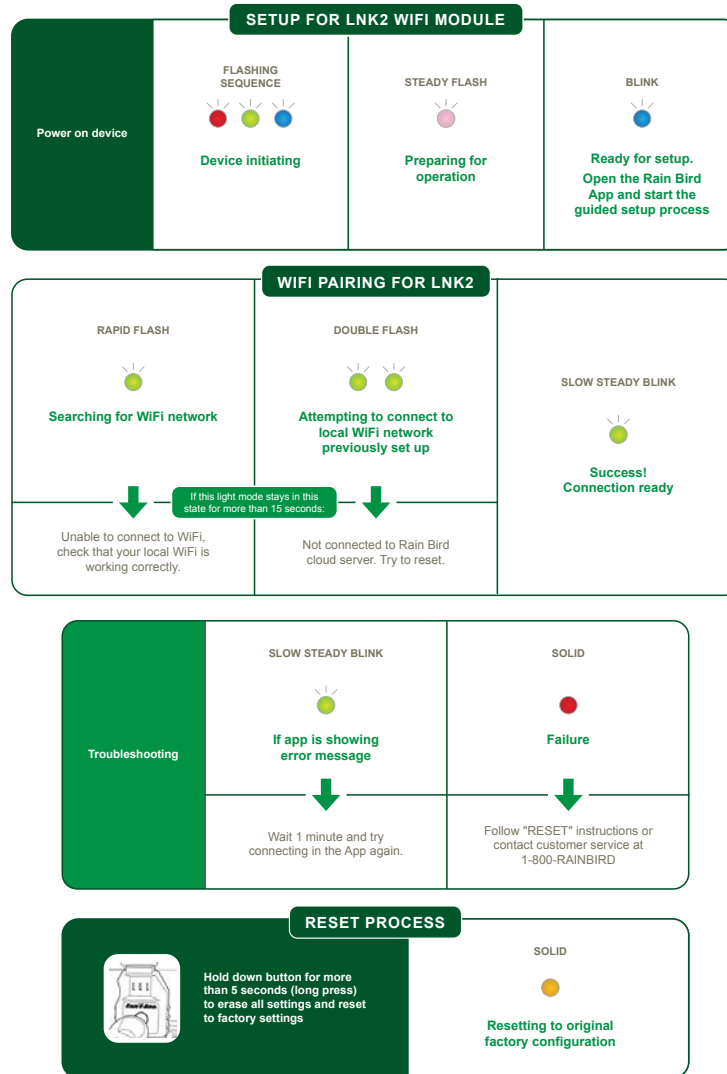
The server shall enable Mobile Apps to subscribe to push notifications using Apple Push Notification Service (APNS) or Google Cloud Messaging (GCM).

The Server shall disassociate all Mobile Apps from a LNK2 WiFi Module that reported an access pass code change. The LNK2 WiFi Module shall store a remote access pass code in nonvolatile memory and report an access pass code change to the Server. If a connection to the Server is not available at the time of the pass code change, the LNK2 WiFi Module shall continue to attempt to report the change until successful.

The LNK2 WiFi Module has no internal surge protection and relies on the Irrigation Controller's Electrical Surge Protection features.



LNK2™ WiFi Module Light Cues



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