MiniAgg BT Controller – Quick Start Guide

Introduction

The **MiniAgg BT Controller** is a Bluetooth® Low Energy (BLE) irrigation controller that can be configured and monitored using a smartphone or tablet. The controller communicates directly with the mobile application, eliminating the need for cables or additional communication hardware during local setup and maintenance.

Purpose of this document

The purpose of this document is to explain how to establish communication between the MiniAGG BT Controller and the mobile application, and to provide the basic steps for the initial connection.

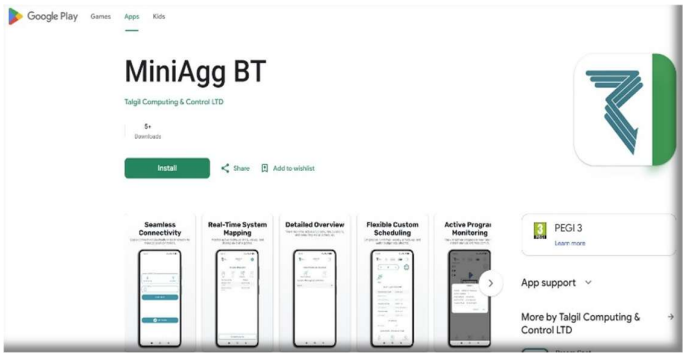
Using the mobile app, you can:

- Connect to nearby MiniAGG BT controllers.
- Configure controller settings.
- Monitor controller status.
- View alarms and operational information.
- Save and update controller configuration.

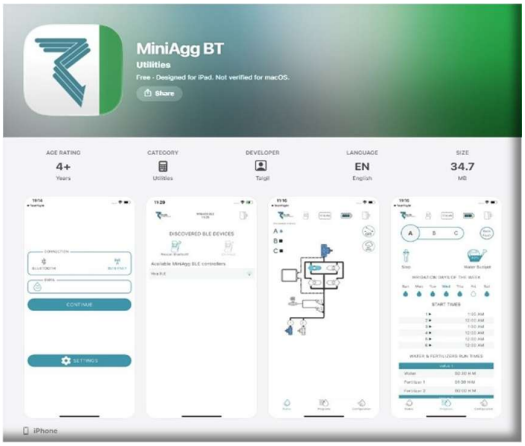
Installing the Mobile Application

The MiniAGG BLE Controller app is available for both Android and iOS devices.

1. **Android**
   - Open **Google Play Store**.
   - Search for **MiniAgg BT**.
   - https://play.google.com/store/apps/details?id=com.talgil.miniagg_basic
   - Select the application.
   - Tap **Install**.
   - Wait until installation is complete.



2. **iPhone / iPad (iOS)**
   - Open the **App Store**.
   - Search for **MiniAgg BT**.
   - https://apps.apple.com/us/app/miniagg-bt/id6756375839
   - Select the application.
   - Tap **Get** (or the download icon).
   - Complete authentication if requested.
   - Wait until installation finishes.



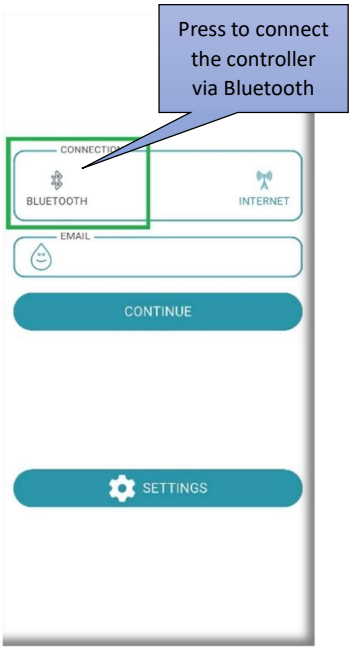
Note: Bluetooth and Location permissions may be requested during the first launch. These permissions are required for discovering nearby BLE controllers.

First Connection to the Controller

1. Ensure the MiniAgg BT controller is powered on.

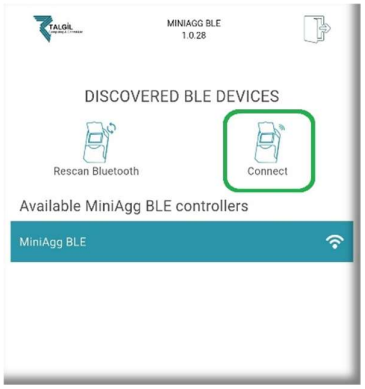
   <u>Power options</u>:

   - ***AC model*** contains an internal transformer that can be powered by 110v or 220v from which it generates the 24v AC for powering the controller and the solenoids.
   - ***DC model*** can be powered either by 6v DC or 12v DC and it activates 2 wired 12v DC latching solenoids.

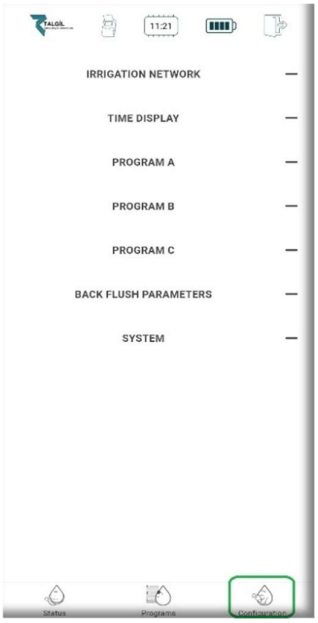


2. Enable **Bluetooth** on your smartphone.
3. Launch the **MiniAgg BT** application.
4. Grant the requested permissions (Bluetooth and, if required by your operating system, Location).
5. **Settings menu:** changing display language, enable system logging.
6. Choose **BLUETOOTH connection** (Direct MiniAgg connection; no email authentication needed).

7. The application automatically scans for nearby controllers.
8. Select your controller from the displayed device list.
9. Press “Connect” and wait until the connection is established.



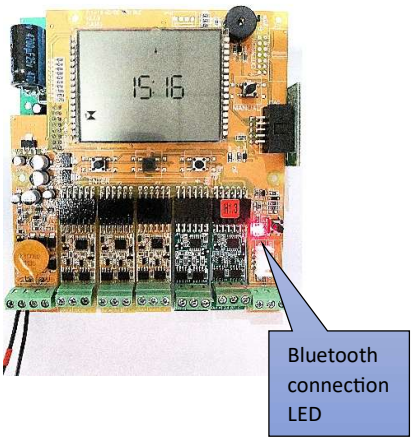
After a successful connection, the application's main screen displays the controller status and configuration menus. The controller is now ready for configuration, monitoring, and normal operation.



Please Note:

1. **Application Connection Behavior**

- When the mobile application is connected to the controller, the BLE indicator LED (Solid Red) turns ON and remains continuously illuminated for the entire connection period.
- During an active BLE connection, all controller buttons are disabled, except for the Reset button.
- Upon connection, the controller automatically synchronizes its date, time, and time zone settings with those of the mobile application.



Before the controller can be used for irrigation, the required controller configuration and operational settings must be completed in the mobile application.

For detailed information about the MiniAGG BT Controller configuration, available functions, settings, and irrigation operation, please refer to the **MiniAgg BT Controller Brochure**.

2. **Configuration Restrictions**
   - Controller configuration changes are not permitted while an irrigation process is active.
   - To modify controller settings, ensure that all irrigation activities have been stopped.

Tip: Stay within approximately 5–10 meters (16–33 ft) from the controller during the initial connection for the most reliable Bluetooth communication. Walls, metal enclosures, and other obstacles may reduce the communication range.