

# WeatherBoss to ClimateBoss Connection Guide (Headgrower Network)

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This guide explains how to connect one WeatherBoss (WB) to one or more ClimateBoss (CB) controllers using the Headgrower network settings.

Audience: Growers and greenhouse staff setting up or checking controller communication.

Source manuals:

- WeatherBoss Operation Manual
- ClimateBoss Controller (RWL & GHK Mode) Operation Manual

## Goal

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Set up:

- WeatherBoss as the **Hub**
- ClimateBoss unit(s) as **Client**
- Matching **radio channel**
- Matching **radio PIN**

All of these settings are found in each controller's **Headgrower** menu/options.

## Before You Start

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- Power on all controllers.
- Confirm each controller is running and touch screen is responsive.
- Decide your network values first:
  - One radio channel value for all units
  - One radio PIN value for all units

## Step 1: Configure the WeatherBoss (Hub)

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1. On the WeatherBoss, open the **Headgrower** menu/options.
2. Set network mode to **Hub** (Headgrower Network = Hub).
3. Set the **radio channel** to your chosen channel.
4. Set the **radio PIN** to your chosen PIN.
5. Save the settings.

Important: Most sites should have only one Hub. If you are not sure whether your site already has a Hub, contact your installer or Bartlett technical support before changing Hub/Client roles.

## Step 2: Configure ClimateBoss Unit(s) (Client)

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Repeat for each ClimateBoss:

1. Open the **Headgrower** menu/options.
2. Set network mode to **Client** (Headgrower Network = Client).
3. Set the **radio channel** to match the WeatherBoss exactly.
4. Set the **radio PIN** to match the WeatherBoss exactly.
5. Save the settings.

If you have multiple ClimateBoss controllers, each one should be set as Client with the same channel and PIN as the Hub WeatherBoss.

## Step 3: Verify Communication

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After configuration:

1. Go to the **second page** of the ClimateBoss display (the **More** screen / page 2).
2. Check the weather/outside information section.
3. Confirm **outdoor temperature** is showing from the WeatherBoss data.

If outdoor temperature appears on page 2, the WeatherBoss and ClimateBoss are communicating.

## Troubleshooting (If Outdoor Temp Does Not Show)

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- Recheck Headgrower network roles:
  - WB = Hub
  - CB = Client
- Recheck radio channel match on all devices.
- Recheck radio PIN match on all devices.
- Ensure the radio communication cable is connected correctly.
- If the radio communication cable is connected and the radio board is powered, you should see:
  - A flashing red **XHR** LED
  - A solid red **Power** LED
- Save settings again and allow a short sync time.
- Power-cycle controllers if needed, then check page 2 again.
- On the Hub controller, check **Headgrower Status**, note any failure/error codes, and email [techsupport@bartinst.com](mailto:techsupport@bartinst.com) with those details.
- When contacting technical support, include a clear picture of the connection to the radio board.

## Need More Help?

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- Email Bartlett support at [techsupport@bartinst.com](mailto:techsupport@bartinst.com).
- Include your controller model(s), any Headgrower Status failure/error code(s), and a clear picture of the radio board connection.

