

Instructions for IceBox Bluetooth Controller 07 14



Disclaimer: Use this IceBox Controller at your own risk. This device contains electrical switches in close proximity to water. Improper operation can cause damage to the Device(s), IceBox, Bluetooth Controller or User(s). SwitchBox Control will not be held liable for any damage caused by this product. Contact support@switchboxcontrol.com for any questions or support.

Your IceBox Bluetooth Controller has been shipped with a hard-wired 'IceBox' power cord and temperature sensor. The temp sensor is water resistant and can be attached at the end of the air hose or positioned inside the duct. To prep your air hose for internal mounting, drill a small hole in the plastic duct material and insert your temp sensor into this opening. The sensor will now read output air data on the included free App. Please read below for current operating directions and device usage.

Items Needed

- IceBox Wireless model with Wireless Remote
 - 12V constant power supply
 - Iphone/Ipad App for Temp Data and Fan control
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Operating Directions

Initialization: First, rotate the analog pump knob to the zero position ('0') on top of the Bluetooth Controller. Next, plug Bluetooth Controller into a 12V power source using the standard IceBox power cable or Pilot's Cable. Wait 1-2 seconds for the Controller to initialize, and then plug the daisy chained power cable into the IceBox. Rotate the knob to the 100% setting or full right. The pump should activate and not turn Off; it is running without any algorithms and the same as pressing the button "A" on your wireless remote to turn the pump On. Next, rotate the knob to the full left '0' position and observe the pump to turn Off, this is the same as pressing "A" again on the wireless remote to turn the pump Off. *Note: If at any point the pump does not respond in this way (ie On at 100% and Off at 0%) you must use the wireless remote to press the button 'A' and activate the pump with the correct state. This allows the user to sync the water pump to the Bluetooth Controller software if the remote becomes out of sync with the software.

Analog usage: The analog pump knob will trigger an infinite number of 'Pump Off' intervals as you twist the knob from left to right. The parameter in the controller firmware is a sweep from 30 seconds - 5 seconds (Pump Off intervals) as you twist the knob from left to right (0-100). The pump will then stay On for a duration of 12 seconds to circulate water through the radiator and plumbing lines each time the timer has expired. For example: at pump knob setting 50%, the water pump will turn On for 12 seconds and then stay Off for 15 seconds, then repeat. At pump knob setting 97%, the water pump will turn On for 12 seconds and then stay Off for 5 seconds, then repeat.

Digital usage: Download the Free IceBox Controller app on the Apple store and open on iPhone or iPad. Pair the Bluetooth controller to your device and wait till a green check mark is observed. At this point, the digital pump slider in the app will sync to the last known setting of the analog pump knob. Until unpaired, the app will deactivate the analog pump knob on the Controller's enclosure, and only utilize the digital slider found in the app. The digital slider in the app works in the same way as the analog knob: intervals between 30 seconds – 5 seconds as you sweep your finger left to right (0 to 100%) and at each interval setting, the water pump will stay On for 12 seconds to circulate water. The Fan button in the center will activate the Fan just as pressing button "B" on your wireless remote. The temperature sensor will now display the current temp received by the device, as well as a real time graph under "View IceBox Performance Graph". When cellular/data coverage is available, the weather page will display current Temperature, Wind and Humidity levels as well as a 4-day extended forecast.

Future software revisions can be found on the App Store free of charge, and will contain any updates, fixes and new features.

Specifications

- Electrical: 12V
- Max Power Consumption: 0.1 Amps
- Dimensions: 3.5" x 2.5" x 1"
- Warranty: 1 year manufacturer parts & labor