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Big Ass Fan



Compatible Control4 Systems:

Control4 OS 3.4.0+, X4



OS 3



X4

[Click here to purchase or download the driver](#)

General Information

Overview

This driver integrates Big Ass Fans (Haiku, i6, es6 models) into a Control4 system, allowing control of fan speed, direction, Whoosh Mode, and Eco Mode. It also provides control over the fan's integrated light.

Compatible Hardware

- Big Ass Fans: Haiku, i6, es6 models with IP control capabilities.

Driver Setup

1. **Add the driver to the project:** In Composer Pro, add the Big Ass Fan driver to your project.

2. **Establish Network Connection:** Navigate to the **Connections** tab for the Big Ass Fan device. Bind the **Network Connection** to your local network. The driver will attempt to discover and connect to the fan using TCP port 31415.
3. **Configure Properties:** Go to the **Properties** tab to configure settings such as fan modes, keypad link behaviors, and LED colors.

Driver Configuration and Defaults

Driver Properties

- **Cloud Status:** Licensing and auto-update status. See [Driver Licensing & DriverCentral](#).
- **Driver Status:** Shows driver-specific information and calls to action.
- **Driver Version:** Shows current driver version.
- **Automatic Updates:** Enable or disable driver auto-updates. See [Driver Licensing & DriverCentral](#).

Fan Settings

- **Fan Info:** Displays a summary of the fan's operational status and connectivity. This is a read-only property.
- **Whoosh Mode:** Enables or disables the fan's Whoosh Mode, which simulates natural breezes by varying fan speed.
 - *Off*
 - *On*
- **Eco Mode:** Enables or disables the fan's Eco Mode for energy-efficient operation.
 - *Off*
 - *On*
- **Fan Direction:** Sets the rotational direction of the fan blades.
 - *Forward:* Sets the fan to rotate in the standard, downward airflow direction.
 - *Reverse:* Sets the fan to rotate in the upward airflow direction, which helps to redistribute warm air from the ceiling.
- **Fan Auto:** Enables or disables the fan's automatic operation mode, allowing the fan to adjust its speed based on environmental conditions.
 - *Off*
 - *On*
- **Light Auto:** Enables or disables the fan's integrated light to operate automatically based on ambient light levels or other programmed conditions.

- *Off*
- *On*
- **Light Target:** Specifies which integrated light components (downlight, uplight, or both) the driver should control.
 - *Both:* Controls both the downlight and uplight simultaneously.
 - *Downlight:* Controls only the downward-facing light component of the fan.
 - *Uplight:* Controls only the upward-facing light component of the fan.

Fan Speed Toggle Link

- **Fan Speed Toggle Single Tap:** Determines the action performed when a linked keypad button is single-tapped.
 - *Nothing:* The linked keypad button will perform no action.
 - *Speed Toggle:* Each tap of the linked keypad button will cycle through the available fan speeds or toggle the fan On/Off.
 - *Turn Off:* Turns the fan off when the linked keypad button is tapped.
- **Fan Speed Toggle Double Tap:** Determines the action performed when a linked keypad button is double-tapped.
 - *Nothing:* The linked keypad button will perform no action.
 - *Speed Toggle:* Each double tap of the linked keypad button will cycle through the available fan speeds or toggle the fan On/Off.
 - *Turn Off:* Turns the fan off when the linked keypad button is double-tapped.
- **Fan On LED Color:** Sets the LED color for the linked keypad button when the fan is on.
- **Fan Off LED Color:** Sets the LED color for the linked keypad button when the fan is off.

Increase Speed Link

- **Increase Speed LED Color:** Sets the LED color for the linked keypad button used to increase fan speed.

Decrease Speed Link

- **Decrease Speed LED Color:** Sets the LED color for the linked keypad button used to decrease fan speed.

Fan Direction Link

- **Fan Direction Single Tap:** Determines the action performed when a linked keypad button is single-tapped to control fan direction.
 - *Nothing:* The linked keypad button will perform no action.
 - *Set Forward:* Sets the fan direction to Forward.
 - *Set Reverse:* Sets the fan direction to Reverse.
 - *Toggle Direction:* Toggles the fan direction between Forward and Reverse.
- **Fan Direction Double Tap:** Determines the action performed when a linked keypad button is double-tapped to control fan direction.
 - *Nothing:* The linked keypad button will perform no action.
 - *Set Forward:* Sets the fan direction to Forward.
 - *Set Reverse:* Sets the fan direction to Reverse.
 - *Toggle Direction:* Toggles the fan direction between Forward and Reverse.

Brightness Toggle Link

- **Brightness Toggle Single Tap:** Determines the action performed when a linked keypad button is single-tapped to control the fan's light.
 - *Nothing:* The linked keypad button will perform no action.
 - *Brightness Toggle:* Toggles the light brightness up or down, or turns the light On/Off.
 - *Turn Off:* Turns the fan's integrated light off.
- **Brightness Toggle Double Tap:** Determines the action performed when a linked keypad button is double-tapped to control the fan's light.
 - *Nothing:* The linked keypad button will perform no action.
 - *Brightness Toggle:* Toggles the light brightness up or down, or turns the light On/Off.
 - *Turn Off:* Turns the fan's integrated light off.
- **Light On LED Color:** Sets the LED color for the linked keypad button when the fan's light is on.
- **Light Off LED Color:** Sets the LED color for the linked keypad button when the fan's light is off.

Brightness Top Link

- **Brightness Top LED Color:** Sets the LED color for the linked keypad button used to increase light brightness.

Brightness Bottom Link

- **Brightness Bottom LED Color:** Sets the LED color for the linked keypad button used to decrease light brightness.

Device Info

- **Device Name:** Displays the name of the fan device as reported by the Big Ass Fan.
- **Model:** Displays the model of the Big Ass Fan.
- **Firmware Version:** Displays the current firmware version of the Big Ass Fan.
- **Fan Speed:** Displays the current speed of the fan.
- **Temperature:** Displays the current ambient temperature reported by the fan's sensors, if available.
- **Humidity:** Displays the current ambient humidity reported by the fan's sensors, if available.

Driver Events

These events are available under this driver in the Composer **Programming** tab.

Fan State Events

- **Fan On:** When the fan starts, i.e. its speed changes from 0 to any other speed.
- **Fan Off:** When the fan stops, i.e. its speed changes to 0.
- **Speed Changed:** When the fan speed changes to a different speed.
- **Direction Changed:** When the fan direction changes between Forward and Reverse.

Fan Mode Events

- **Fan Auto Changed:** When the fan's automatic mode is turned on or off.
- **Light Auto Changed:** When the integrated light's automatic mode is turned on or off.
- **Eco Changed:** When Eco Mode is turned on or off.
- **Whoosh Changed:** When Whoosh Mode is turned on or off.

Mode events fire once the fan confirms the change, whether it was made from Control4, the Big Ass Fans app, or the fan itself.

Driver Commands

Also called **Composer Commands**, these are driver actions the driver can take.

- **Set Whoosh:** Set Whoosh Mode to for
 - State: Off, On
- **Set Eco:** Set Eco Mode to for
 - State: Off, On
- **Set Fan Auto:** Set Fan Auto to for
 - State: Off, On
- **Set Light Auto:** Set Light Auto to for
 - State: Off, On
- **Set Light Target:** Set Light Target to for
 - Target: Both, Downlight, Uplight

Driver Variables

- **FAN_SPEED:** NUMBER - Displays the current fan speed, from 1 to 7.
- **FAN_DIRECTION:** STRING - Displays the current fan direction: "Forward" or "Reverse".
- **FAN_PRESET:** NUMBER - Displays the currently active fan preset, typically a number from 1 to 7.

Appendix

Appendix: Driver Support

Cindev drivers support a sophisticated set of debugging tools and logging features. To enable Debug Mode, first set the driver property *Debug Mode* to **On**. The driver will begin printing standard events/actions/notices/warnings that occur on the driver. You can view this information in the **Lua** tab of the driver.

- Debug Log will run for 30 minutes then turn off.
- Clicking off the driver in System Design will clear the Lua output. The support log that can be sent to Cindev will save log data until Debug Mode is turned off or you submit a support ticket.
- For more verbose output, which includes additional technical data about the driver, do the following:
 - Enter the word **smarthome** in the *Console* property.
 - This will enable Advanced Debug Mode for 60 minutes.

Example of a typical printed log report

```
May 06 15:23:55: Connecting to Hardware... Please wait
May 06 15:23:56: Login to Hardware successful
May 06 15:23:56 [DriverStatus]: Connected to Hardware
May 06 15:23:56: FromDevice: Connected to Hardware - Firmware Version 2.5.129
```

Driver Support - Debug Actions

In addition to printing the log to the *Lua Output* window, the driver also supports the following *Debug Actions*:

- *View Diagnostics*: Prints driver stats to the *Lua* tab.
- *View Project Hierarchy*: Lists drivers, filenames, and proxies.
- *Create Support Ticket*: Preps logging + fields for Support.
- *Submit Ticket*: Sends the information to DriverCentral.

Example of a Diagnostic Report:

```
--- General Debug Information ---
- Time: Wed May  6 15:34:45 2026
- Driver: cinddev-example-driver.c4z
- Version: 20260427
- DriverId: 2273
- MAC: 000FFFAC430FA
- OS: 4.1.0.743847-res
- Token: ACDE151DFF (1033)

--- Driver Statistics ---
- Installed: May 01 18:52:42
- Memory: 0.3MiB Bytes
- OpenFiles: 0
- Timers: 4
  - Persistence Timer
  - DriverCentral Timer
  - xdbg-Active

--- Current Driver Properties ---
- Debug Actions  = (Select)
- Tech Reply Email  =
- Issue Description  =
- Console  =
- Driver Properties:
```

Driver Support - Submit a Ticket

Integrators can either submit support tickets through the driver properties or directly.

To submit a ticket via the driver properties page (preferred):

1. Turn on *Debug Mode* (driver property).
2. Go to Debug Actions *Create Support Ticket*.
3. Enter your *Tech Reply Email* (where Support should respond).
4. Enter an *Issue Description* (what you did, expected, and observed).
5. **IMPORTANT:** Reproduce the issue or run your test steps. The driver does not store any debug information until you start creating the ticket.
6. Select Debug Actions *Submit Ticket*.
 - A **Ticket ID** will be displayed under *Driver Status* and also printed on the *Lua* tab for reference.
7. Support will receive your information and email you back at the address you provided.

To submit a ticket directly:

1. <https://help.drivercentral.io>
2. Include the driver you are working on, driver version and Control4 OS.

Driver Licensing



DriverCentral Marketplace: <https://drivercentral.io/marketplace/>

Cloud Driver Download: [DriverCentral Cloud Driver](#)

Trial/Showroom Policy: [DriverCentral Trial and Showroom Policy](#)

DriverCentral is used for driver licensing, updates, and service workflows.

- This driver comes with a **30** day Trial that activates upon install of the driver.
- Cloud Driver is required and must be connected to a DriverCentral project for Trial/Licensing to function.
- Cloud Driver is required for Auto-Update.

Warranty & Disclaimer

Support, warranty, and service expectations for standard Cindev drivers are covered by Cindev terms and official DriverCentral product documentation.

www.cindev.com/terms-and-conditions

Developer Information

Brought to you by:

Cinegration Development, LLC

Cindev

www.cindev.com

www.drivercentral.io/cindev/

We are always looking to improve our drivers.

Please send your suggestions to: info@cindev.com

