

FireBoard drive

Fan Control Cable

You will need:

FireBoard Thermometer, a 12V Fan, a smart phone or tablet, the free FireBoard App

Uses standard FireBoard Aux Port

Drives most 12V fans with 2.5mm barrel plug

Powered by internal FireBoard battery

Efficiently drives fans from 0 - 100% power

Connect external power source for larger fans

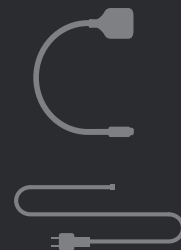
Charge your FireBoard using the 12V power adapter

Run FireBoard Drive™ Programs from the FireBoard App

In the box:

FireBoard Drive
Fan Cable

12V Power
Adapter



Model DRF11

Getting Started with FireBoard Drive™

The FireBoard Drive™ Fan Control Cable is easy to use - designed to work with your FireBoard thermometer by plugging in to the auxiliary port. Fans are most effective when a stable fire has been established and vents adjusted accordingly. Every smoker is different, learning how to achieve a steady temperature by controlling your vents will make your fan more efficient.

1 Setup Your Fan

Your fan should be the primary source of air for your fire. A secure and air-tight installation is best. There are likely fans and adapters built for your smoker to get the ideal fit - most 12V fans with 2.5mm plugs work with FireBoard Drive™ Fan Cable. For more details, go to fireboard.com/drive.

2 Connect the Fan

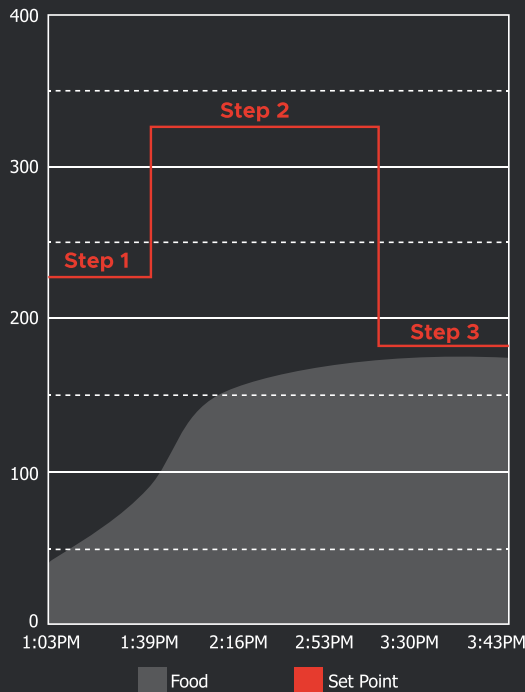
Your fan will plug into the Fan Cable on the port marked *FAN*. The FireBoard's battery is fully capable of driving your fan - for longer cooks we recommend using the 12V power adapter, this will also keep your FireBoard's battery charged!

3 Setup your Cook in the FireBoard App

The Dashboard will now have the FireBoard Drive™ controls. Select a channel you want to monitor the pit temperature ("Control Channel") - you can use any of the 6 available channels. The app will display the current pit temperature once a probe is plugged in. Press the "Setpoint" button to enter the desired pit temperature. For best results, start with a fairly stable pit temperature and allow FireBoard Drive™ to slowly increase the fan speed or wait until the temperature falls below the setpoint.

For more control and customization, use the Programs tab. Programs give you the ability to create their own step-by-step programs that lets you change your setpoint over time. Learn more about Programs at our knowledge base at docs.fireboard.io.

Example of a FireBoard Drive™ Program



The graph above shows a 3 Step Program. **Step 1** is hold setpoint of 225°F for 20 minutes. **Step 2** is to hold a setpoint at 325° until target temp reaches 165°. **Step 3** is hold setpoint at 180°, which is the default hold step that is added at the end of programs.

Helpful Tips and Suggestions

Here are some helpful tips and suggestions to help you get the best results from the Fan Control Cable

Make sure your fire has an abundant fuel supply

Don't skimp on the wood or charcoal. You'll get more consistent results if your fan has more fuel to work with.

Learn how your vents work

For most smokers, closing off all lower vents and opening the exhaust vent slightly provides the most controllable environment for your fan. Your mileage may vary, but closing down your intake and slightly opening the exhaust is a great place to start!

Take control of your fire

Establishing a fire with a slightly falling temperature profile will let FireBoard Drive™ jump into action once the temperature approaches your setpoint. The fan's speed will adapt to keep your temperatures in the zone!

Mastering Drive Programs

FireBoard Drive™ Programs are saved in your App in the Programs tab, allowing you to fine tune your program until you are satisfied with your cook. Once mastered, you will be able to run your programs and let your FireBoard handle all of your temperature control needs.

Advanced Fan Settings

The FireBoard app has advanced settings for your Fan Control Cable, including: LID Detection on/off, PID Control Modes, Fan Size Settings, and Max Fan Speed %. for complete information on advanced settings, please refer to our knowledge base at docs.fireboard.io.

Visit fireboard.com/drive for additional information, videos, and more!

Fan Cable Technical Specifications

Physical Dimensions

L x W x H	1.5" L x 1.5" W x 0.67" H (37 x 37 x 17 mm)
Cable Length	12" (305 mm)
Fan Plug	2.5 mm barrel
Power Plug	2.1 mm barrel
Connector Type	Mini-DIN-8

On Battery Power

Voltage In	~3.4V - 4.2V
Max Voltage Out	12V
Max Power	3.5 Watts

On 12V Power

Voltage In	12V
Max Voltage Out	12V
Max Load Current	1.5A
Max Power	18 Watts



FireBoard Drive™ Mobile App Quick Guide:

When the Fan Control Cable is plugged into your FireBoard, the Drive Control settings will appear on your Dashboard.

Choose a Control Channel

Select a channel on your FireBoard to be used as the control channel - FireBoard Drive will adjust to keep this channel at the setpoint.

Enter a Setpoint or Run Program

Click the setpoint button to enter the desired temperature of your smoker or run a Drive Program and have multiple setpoints over time. These temperatures will be visible on the chart to help you see how FireBoard Drive is performing.

Take Control

Click the fan speed button to override FireBoard Drive and take control in manual mode. A little extra air can help get your charcoal going. When you're done, click the setpoint button to give control back to FireBoard Drive.

Download the official FireBoard App:

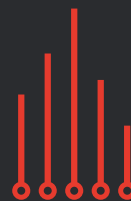


* See fireboard.com/support for device compatibility

Online Dashboard at fireboard.io

Monitor your temperatures, set alerts, view session history all online.

Login to your account at fireboard.io



FireBoard®

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