



Welcome to the future of mobile

And to the world of Firefox OS. On this site, you'll find everything you need to customize or build your own version of our groundbreaking mobile operating system and to use the Firefox OS brand on a phone or tablet. Get started below.



Learn

Explore Firefox OS and the Firefox Marketplace. Get localization support, roadmaps and a complete, detailed list of every feature.

[Learn more »](#)

Build

Create and customize your own version of Firefox OS. Learn more about hardware requirements, supported chipsets, and how to contribute back to the community.

[Learn more »](#)

Brand

Take your product to market. Get access and support to the essential licenses and Firefox OS brand assets you'll need, quickly and easily.

[Learn more »](#)

mozilla

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Welcome to Firefox OS 101, here you will find comprehensive information about the features and functions of Firefox OS and Firefox Marketplace. You'll also find the roadmaps and localization support available today, and architecture and security overviews for these products.

Firefox OS

Firefox OS is actually a combination of the Open Source project called Boot2Gecko (B2G) with the Firefox branding from Mozilla. The two together create an experience we call Firefox OS.

High Level Overview	Click here for a high level overview of feature and functions in Firefox OS. This overview is designed to education end users about what Firefox OS can do, and what makes it great. <div>Read more >></div>
Detailed Feature list for Firefox OS	Version 1.2 complete feature list (current version) <div>Read more >></div> Version 1.1 complete feature list <div>Read more >></div>
Delta for current release	Delta of just the added features in the latest release. <div>Read more >></div>
Firefox OS Roadmap	Behind Firefox OS, is the Boot-to-Gecko (B2G) project, an open source mobile platform. Here you will find the roadmap for B2G, which in turn, becomes the featureset for Firefox OS. <div>Read more >></div>
Firefox OS Localization Roadmap	Here you'll find details about what languages are supported in Firefox OS/B2G. <div>Read more >></div>
How to contribute to Firefox OS and B2G	Don't see a feature you need, or looking to add a language we don't support today? You should consider contributing back to the Open Source project behind Firefox OS, Boot2Gecko. <div>Read more >></div>

Firefox Marketplace

Firefox Markeplace is a store of applications made available on Firefox OS devices. The software and tools behind Firefox Marketplace are open and available for anyone to run. Firefox Marketplace itself is owned and operated by Mozilla, and is an option for those wishing to include a robust application download experience.

Mozilla Marketplace	Check out the live version of Marketplace. No surprise, it looks and works great in a browser. <div>Read more >></div>
High Level Overview	Click here for a high level overview of feature and functions in Firefox Marketplace. <div>Read more >></div>
Detailed Features and Roadmap	Here you will find details on our Marketplace roadmap, localization support, payment integration, and customization <div>Read more >></div>
App Review Process	Find out about how we review applications submitted to Firefox Marketplace <div>Read more >></div>
App Submission Process	Learn more about how to submit your own application to Firefox Markeplace <div>Read more >></div>
How to contibute to Marketplace	Would like to see a feature in Marketplace that doesn't exist already? Find out how to code it yourself and give back to the Open Source project. <div>Read more >></div>

In Market Devices

We are launching devices globally. Check out what OEM's are currently offering.

[Read more >>](#)



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Build

Here you will find all the technical documentation and resources to properly build your hardware and version of Firefox OS to run on it.

Introduction to Firefox OS

Technical Introduction to Firefox OS	A brief technical introduction to Firefox OS and the underlying Boot to Gecko Open Source operating system. Read more >>
Terminology and Architecture Overview	A high-level overview of the architecture of the Firefox OS platform, introducing key concepts and explaining how its components interact at a basic level. Read more >>
Security Overview	Overview of the security model available in Firefox OS (B2G) Read more >>

Firefox OS Hardware Requirements

Below are the minimum requirements for a Firefox OS device. You'll notice these are more strict than B2G. We at Mozilla believe this is the necessary minimum for a great experience with Firefox OS and Firefox Marketplace applications.

Hardware	Minimum Requirement
CPU	1GHz, single-core, equivalent to ARM Cortex A7 processor
Storage	General purpose Device: Minimum 512 on-board Mobile phone: total storage 4GB, minimum on-board 512MB
System RAM	128MB
Visual Display (optional)	262K color,HVGA (480x320) capacitive multi-touch display (minimum two points)
GPU	WebGL-capable GPU capable of rendering H.264 video at 30FPS
Hardware Buttons	Home Power Volume Up Volume Down

B2G Hardware Requirements	Here are the minimum B2G device specifications. Note these are less stringent than Firefox OS Hardware requirements, as this is unbranded and completely Open Source. Read more >>
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Chipsets Supported	<table><tr><th>Manufacturer</th><th>Versions supported</th></tr><tr><td>Qualcomm</td><td>7227, 7227A, 8210, 8212, 8225, 8926</td></tr><tr><td>Spreadtrum</td><td>SC6821, SC7710</td></tr></table>	Manufacturer	Versions supported	Qualcomm	7227, 7227A, 8210, 8212, 8225, 8926	Spreadtrum	SC6821, SC7710
Manufacturer	Versions supported						
Qualcomm	7227, 7227A, 8210, 8212, 8225, 8926						
Spreadtrum	SC6821, SC7710						

Screens and Resolutions	<table><tr><th></th><th>What is supported</th></tr><tr><td>Resolution</td><td>FWVGA, WVGA</td></tr><tr><td>Color Palette</td><td>Up to 262K</td></tr></table>		What is supported	Resolution	FWVGA, WVGA	Color Palette	Up to 262K
	What is supported						
Resolution	FWVGA, WVGA						
Color Palette	Up to 262K						

NFC Specs	<table><tr><th>Manufacturer</th><th>Versions supported</th></tr><tr><td>Broadcom</td><td>20793S NFC Controller</td></tr></table>	Manufacturer	Versions supported	Broadcom	20793S NFC Controller
Manufacturer	Versions supported				
Broadcom	20793S NFC Controller				

GPS/AGPS	Supported
	A-GPS

Source Code, Building and Debugging

Build Overview	Overview of building Firefox OS. Four main components: Setup, Configure, Build, Install. Read more >>
Four Key Steps	<div>Setup: How to setup a properly configured Firefox OS build system. Read more >></div> <div>Configure: Before you can build B2G, you need to clone the repository and configure your build tree. Read more >></div> <div>Build: Once you've set up your build system and performed your initial pull and configure of the code, you can build Firefox OS (B2G). Read more >></div> <div>Install: Now get that freshly customized build on a device! Check Setup section (above) for compatible devices. Read more >></div>
Market Customizations Guide	Market customizations allow you to specify build-time customization options for regional customization (such as pre-loaded apps) to make your own special customized version of Firefox OS. Read More >>
Debugging Firefox OS (B2G)	All you need to know about debugging Firefox OS (B2G) in your development environment. Read more >>
Automated Testing	Here's information on how to do automated testing of Firefox OS on hardware. Read more >>

Requesting and Adding New Features

Bugzilla	Get a Bugzilla account and start contributing features and bugs to the B2G project Read more >>
Bugzilla Etiquette	Once you have created an account and have some familiarity with Bugzilla, follow this link to learn more about Bugzilla etiquette. Read more >>
Bugzilla New Feature Request	Here's a template for submitting a new Firefox OS feature request to Bugzilla Read more >>
Custom Module and Application Development	Check out the contribution section for more details on contributing custom code and application development Read more >>

Support and Contacts

Developer Support	Check out the contribution section for links to get support and other contacts Read more >>
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Brand

Branding a B2G Open Source phone with Firefox OS is very simple. Take a look at our branding guidelines, branding requirements, and certification process. From there, you are welcome to complete the click through prototype agreement, and start moving forward on building Firefox OS branded prototypes. Once you are ready to certify, follow the certification process below, submit your paperwork

Branding Guidelines and Requirements

Branding Guidelines

Here are the guidelines we provide for placing Firefox OS assets.

[Read more >>](#)

Branding Requirements

Find out what we have as branding requirements for Firefox OS devices. We really have made this quite simple.

[Read more >>](#)

Prototype Branding Agreement

Get access to the Firefox Wordmark

With a simple click-through agreement, you will be good to go to start creating your prototype device.

[Get Started >>](#)

Certification Process

Certification Overview

Here are the steps you will need to complete to certify your prototype device, and start mass manufacturing Firefox OS devices.

[Read more >>](#)

Certify your device

Follow these steps to get your prototype device certified.

Coming soon!

[Certify >>](#)

Go to Market

Training and sales support

For information on training sales people or resources for selling you device, check out the Firefox OS go to market portal.

[Read more >>](#)

Co-Marketing

We are always looking for opportunities to partner on marketing efforts. Depending on your target market and volume of devices, we can leverage Mozilla community and other resources to help make a larger, more effective impact.

To start the process, please send us an email at firefoxosmarketing@mozilla.com with an idea of what you'd like to accomplish. We'll acknowledge your mail within 24 hours and get back to you with a response within 48 hours. From there, if applicable, we'll send you additional assets to get you started, have a conversation with you about your requirements, and work with you on ideas for how we can help.

We want you to benefit from the marketing relationship with Mozilla and Firefox OS, and to demonstrate that Firefox OS really is the most exciting new platform in the Mobile industry.

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Firefox OS

Partner with us

As a brand, Firefox is a global leader in web recognition, trust and security. By partnering with us, you too can benefit from these great attributes.

We've made it very easy and straight forward to take the Open Source B2G operating system, and brand it "Firefox OS". Register below and build a Firefox OS phone.

[Register >>](#)



http://...



Firefox OS

Register

Registering with Mozilla OEM partner program allows us to communicate directly with you for updates to new releases, information surrounding security updates, and any changes to the documentation and assets you'll find here.



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Firefox OS

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Firefox Marketplace

Marketplace is a branded application store run by Mozilla. We've taken the time to cultivate relationships in the global software community and try and put together a comprehensive offering for Firefox OS phones. But we encourage others to create their own marketplace if they wish. Freedom of choice is what we are all about!

Features

Marketplace Roadmap

Here's where you will find the roadmap for features and functions being added to Marketplace. Keep in mind this is all Open Source, so if you think something is missing, explore the link on contributing further down this page.

[Read more >>](#)

Marketplace Localization

Here you'll find details about what languages are supported in Marketplace, as well as what languages are supported in Marketplace payments.

[Read more >>](#)

Adding Regions to Firefox Marketplace

If you don't see a region or language you would like to be supported, contact the marketplace team at marketplace-inquiries@mozilla.com and let us know what your plans are. Maybe we can help?

Run your own marketplace

Create an App Store

Firefox Marketplace doesn't do it for you? Want to branch out and create your own version of Marketplace? Do it!

[Read more >>](#)

Contributing and Questions

Marketplace Support

Resources and support for Marketplace.

[IRC: #marketplace >>](#)

How to contribute to Firefox OS and B2G

Don't see a feature you need, or looking to add a language we don't support today? You should consider contributing back to the Open Source project behind Firefox OS.

[Read more >>](#)



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Prototype Agreement

By agreeing to these terms, you'll be given immediate access to the Firefox wordmark so you can start creating your Prototype devices.

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Certification Overview

Review

Firefox OS Features

Review the features and functions of Firefox OS (B2G)

[Review >>](#)

Hardware Requirements

Make sure you understand the hardware requirements for Firefox OS vs B2G. Hint: They are higher for Firefox OS

[Get Started >>](#)

Branding Guidelines

Read throught the guidelines for placing brand assets on your hardware.

[File >>](#)

Branding Requirements

Make sure you understand the requirements for using the Firefox OS Brand.

[File >>](#)

Download and Build

B2G source code

Download the source code behind Firefox OS

[Get Started >>](#)

Seach ID

Obtain your Search ID. Email ffos-cert@mozilla.org and follow this link for implementing the Search ID.

[Read more >>](#)

Get access to the Firefox Wordmark

With a simple click-through agreement, you will be good to go to start creating your prototype device.

[Get Started >>](#)

Run Certification Tests

In the near future, we will be providing a Certification Review Board for streamlining the certification of devices. Until this service is up and avaiable, we have provided a manual process for certification.

Certify your device

Follow these steps to get your prototype device certified

Coming soon!

[Certify >>](#)

Submit Results

Sign Distribution Agreement

Once you have created your device, and are ready to submit for certification, you will need to sign a distribution agreement as part of the final release for distributing.

Submit your results

Send a copy of your test results, along with a signed copy of the Distribution Agreement and a sample of device as well as packaging to:

Thomas Ho
E-Mail: thomas.ho@mozilla.org Se
Xinyi Dist., Taipei City 11047
TAIWAN
+886-2-87861100



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Contributing

Introduction to Contributing

Learn about how to contribute to Mozilla Open Source Projects

[Read More >>](#)

Firefox OS and B2G

Firefox OS (B2G) Build Overview

Review the build process for Firefox OS and Boot2Gecko (B2G)

[Read More >>](#)

Release Cycle Information

The process and schedule B2G, the Open Source operating system behind Firefox OS, is released.

[Read More >>](#)

Setting up your development environment

Get your build environment on. Review our own Build section for instructions on how to do this.

[Read More >>](#)

Hacking Gaia

Gaia is the collection of web apps which make up the front end of Firefox OS. This includes the home screen and all the default apps.

[Read More >>](#)

B2G FAQ

Frequently asked questions on Boot2Gecko, the Open Source project behind Firefox OS.

[Read More >>](#)

Firefox Application Development

Developing Applications

Start here if you are interested in building a Firefox OS application

[Read More >>](#)

Support and Contacts

Firefox Developer Support

Here's where you will find resources to answer questions you might have, or problems you have run into.

[Read more >>](#)

Contact Mozilla

We're a community of developers, and we are eager to help.

[Mailing List >>](#)

[Newsgroup >>](#)

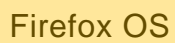
[Google Group >>](#)

[IRC: #b2g >>](#)

[IRC: #gaia >>](#)

[IRC: #openwebapps >>](#)

[IRC: #webapi >>](#)



Mozilla is constantly working to expand support to additional languages as well as expanding translations to cover newly added functionality.

Current status of Marketplace translations	For a current view of status for Marketplace translations.	Read more >>
Current status of End User Payments	For a current view of status for Marketplace End User payments	Read more >>