

# Cisco IR800 Series Router Factory Default Settings

## Contents

[Introduction](#)

[Prerequisites](#)

[Requirements](#)

[Components Used](#)

[Background Information](#)

[Procedure](#)

[Method 1. For Cisco IOS® Version 15.5\(3\)M5 or Earlier](#)

[Method 2. For Cisco IOS® Version 15.6 or Later](#)

## Introduction

This document describes how to reset Cisco IR829 devices to its default configuration.

## Prerequisites

### Requirements

Cisco recommends that you have knowledge of these topics:

- Console access to the device
- Paper clip to press the reset button

### Components Used

The information in this document is based on Cisco IR829 Router.

The information presented in this document was created from devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If you are working in a live network, ensure that you understand the potential impact of any command before using it.

## Background Information

The rommon in IR800 series routers is totally different from the rommon found in most other Cisco devices.

You cannot do a password recovery on IR800 series routers in the usual sense because IR800 series routers do not support the config-register setting to allow you to bypass the startup-config. You can only "recover" your router when you wipe out its startup-config. Ensure you save a copy of your working running-config to a file on flash, just in case you can need it again later on. It has a

Reset button to reset the device to its factory-default settings.

**Note:** There is no way to recover the startup configuration once the device is Reset.

## Procedure

### Method 1. For Cisco IOS® Version 15.5(3)M5 or Earlier

If the version of the Cisco IOS® is 15.5(3)M5 or earlier, then the device must be booted to password prompt before you reset the device.

Once you see the password prompt, long press the **reset** button for 30 seconds until this message appears:

```
*Jan 28 05:21:24.143: %FCPLMGR-5-CFG_BUTTON_LONG_PRESSED: Config reset button was held for more
than 10 seconds. NVRAM filesystem erased.
*Jan 28 05:21:24.145: %SYS-7-NV_BLOCK_INIT: Initialized the geometry of nvram
*Jan 28 05:21:24.145: %SYS-5-RELOAD: Reload requested by IR800 Fcplmgr OS events dispatcher.
Reload Reason: Configuration Reset button (long) pressed.
%FCPLMGR-5-CFG_BUTTON_LONG_PRESSED: Config reset button was held for more than 10 seconds. NVRAM
filesystem erased.
```

This erases the content of the NVRAM and the device reboots itself in rommon-2 prompt.

Boot the IOx from the rommon-2 prompt. The IOx image starts the boot sequence and once completed, the device must come up with factory default settings.

```
rommon-2>boot flash:ir800-universalk9-mz.SPA.155-3.M5
Booting image: flash:ir800-universalk9-mz.SPA.155-3.M5.... [Multiboot-elf, <0
x110000:0x988e584:0x48c5c4>, shtab=0x9e2b500
Signature verification was successful, entry=0x110240]
[CU:0]
Jumps to: 0x110240
Smart Init is enabled
smart init is sizing iomem
      TYPE          MEMORY_REQ
Onboard devices &
  buffer pools    0x02E44000
-----
TOTAL:           0x02E44000
Rounded IOMEM up to: 47MB.
Using 10 percent iomem. [47MB/448MB]
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cisco Systems, Inc.
170 West Tasman Drive
San Jose, California 95134-1706
Cisco IOS® Software, ir800 Software (ir800-UNIVERSALK9-M), Version 15.5(3)M5, RELEASE
SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
```

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Cisco IR829GW-LTE-GA-ZK9 (revision 2.0) with 373760K/52224K bytes of memory.  
Processor board ID FGL192420ZL

Last reset from CLI initiated reload

FPGA version: 2.0.0

2 Serial(sync/async) interfaces

7 Gigabit Ethernet interfaces

9 terminal lines

2 Cellular interfaces

1 cisco Embedded AP (s)

DRAM configuration is 72 bits wide with parity disabled.

256K bytes of non-volatile configuration memory.

976562K bytes of ATA System Flash (Read/Write)

250000K bytes of ATA Bootstrap Flash (Read/Write)

%Error opening tftp://255.255.255.255/network-config (Timed out)

%Error opening tftp://255.255.255.255/cisconet.cfg (Timed out)

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: no

Press RETURN to get started!

IR800>en

IR800#

## Method 2. For Cisco IOS® Version 15.6 or Later

If the Cisco IOS® version is 15.6 and later, power off the device and simultaneously press the **reset** button while you apply power to the device.

Hold the **reset** button for about 30 seconds until the Protocol over Ethernet (PoE) light comes on and then release the button.

Cisco IOS® Software, ir800 Software (ir800-UNIVERSALK9-M), Version 15.6(1)T1, RELEASE SOFTWARE (fcl)

Technical Support: <http://www.cisco.com/techsupport>

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<ahref="http: www.cisco.com=" wvl=" export=" crypto=" tool="

stqrg.html=">http://www.cisco.com/wvl/export/crypto/tool/stqrg.html

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Cisco IR829GW-LTE-GA-ZK9 (revision 2.0) with 373760K/52224K bytes of memory.  
Processor board ID FGL192420ZL  
Last reset from Power-on  
FPGA version: 2.2.0  
BIOS: version 9 Production  
BIOS: date[YYYY/MM/DD] :[2015/8/21]  
MCU Bootloader : 28  
MCU Application: 0  
2 Serial(sync/async) interfaces  
7 Gigabit Ethernet interfaces  
9 terminal lines  
2 Cellular interfaces  
1 cisco Embedded AP (s)  
DRAM configuration is 72 bits wide with parity disabled.  
256K bytes of non-volatile configuration memory.  
976562K bytes of ATA System Flash (Read/Write)  
250000K bytes of ATA Bootstrap Flash (Read/Write)  
**Erasing the nvram filesystem will remove all files! Continue? [OK]**  
**Erase of nvram: complete**  
**Router IOS Configuration Recovery is unsuccessful**  
**Router Configuration Dialogue will be used**  
--- System Configuration Dialog ---  
Would you like to enter the initial configuration dialog? [yes/no]: no  
Press RETURN to get started!  
IR800>en  
IR800#