



# Digi Connect Wan 3G Application Guide

Update the firmware, backup and restore the configuration of a Digi Connect Wan 3G using a USB flash drive.

## 1. Configure and prepare required files on the USB flash drive to allow firmware update and configuration backup/restore.

Objective: Step by step instructions to upgrade the firmware, backup and restore the configuration using a USB flash drive on a device running firmware 2.15.x and above.

### 1.1 Software Requirements

- Digi Device Discovery Utility
- PuTTY or any Terminal application
- TFTP server such as 3C Daemon

### 1.2 Hardware Requirements

- **Digi Connect Wan 3G** running firmware version **2.15.x** minimum.

## 2. Step by step instructions

### 1) Firmware update from USB flash drive by web interface

- Make sure that the USB flash drive is formatted to the FAT32 file system, if not, proceed to (make sure to backup any data left on the drive as it will be fully erased)
- Download the latest firmware version from the support web site and copy it to the root folder of the USB flash drive so it looks like :

x:\82001532\_L.bin (where x is the windows drive letter of the USB flash drive)

- Properly eject the USB flash drive using the windows eject functionality and plug it on the Digi Connect Wan 3G.
- Using Digi Device Discovery, discover the device, select it and click on **Open web interface**
- Navigate to **Administration>Update Firmware**
- Click on **“Select Firmware from Local USB Drive”**

**Update Firmware**

**Caution:** You have asked to update the firmware on your Connect WAN 3G. When updating the firmware, please check the support site and release notes for more information to determine if this device must update the POST before updating the firmware.

Model: Connect WAN 3G  
Firmware: 2.15.0.6 (Version 82001532\_L 07/25/2012)  
POST: 1.1.3 (release\_82001753\_H)

Note: Go to **Select Firmware from Local USB Drive** to update firmware from files on a local USB drive (A/) that is installed in your Connect WAN 3G.

Select Firmware from PC or Server

Select Firmware:



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- g) The local firmware update page will show and display the firmware files (in .bin format) stored on the USB flash drive :

**Update Firmware**

**Caution:** You have asked to update the firmware on your Connect WAN 3G. When updating the firmware, please check the support site and release notes for more information to determine if this device must update the POST before updating the firmware.

Model: Connect WAN 3G  
Firmware: 2.15.0.6 (Version 82001532\_L\_07/25/2012)  
POST: 1.1.3 (release\_82001753\_H)

Note: Go to [Select Firmware from PC or Server](#) to update firmware from files on a PC or server.

**Select Firmware from Local USB Drive A/**

Select Firmware:

Enter the firmware file name above, or select one from the available files list below by clicking on its name.

Show only .bin files  
 Show all files

File Name	Size	Creation Date/Time
<a href="#">82001532_L.bin</a>	3346822 bytes	Sep 07 2012 10:03

- h) Click on the file name, or type the name in the “**Select Firmware**” text field and click **Update**, “Update in Progress” will be shown next to the button while the unit is working.
- i) When the update process is complete, click on the **Reboot** button as advised :

Firmware has been successfully updated.  
You must reboot to load this new firmware.

Help

**Reboot**

The reboot process will take approximately 1 minute to complete. Click Reboot now to reboot the Connect WAN 3G.

## 2) Firmware update from USB flash drive by command line

- a) Make sure that the USB flash drive is formatted to the FAT32 file system, if not, proceed to (make sure to backup any data left on the drive as it will be fully erased)
- b) Download the latest firmware version from the support web site and copy it to the root folder of the USB flash drive so it looks like :

x:\82001532\_L.bin (where x is the windows drive letter of the USB flash drive)

- c) Properly eject the USB flash drive using the windows eject functionality and plug it on the Digi Connect Wan 3G.
- d) Using Digi Device Discovery, discover the device, select it and click on **Telnet to Command Line**
- e) Type the following on the command window :

**boot load=local:A/82001532\_L.bin**





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## 3) Configuration Backup and Restore from USB Flash drive by web interface

- a) Make sure that the USB flash drive is formatted to the FAT32 file system, if not, proceed to (make sure to backup any data left on the drive as it will be fully erased)
- b) If you want to restore a backup file, copy it to the USB flash drive, it should look like this :

x:\backup.cfg (where x is the windows drive letter of the USB flash drive)

- c) Properly eject the USB flash drive using the windows eject functionality and plug it on the Digi Connect Wan 3G.
- d) Using Digi Device Discovery, discover the device, select it and click on **Open web interface**
- e) Navigate to **Administration>Backup/Restore** and click on **Backup/Restore Configuration to/from Local Files**
- f) In the **Select Local File Location** section, check “**Access and display files on a local USB drive (A/)**”
- g) To **Restore** a file, scroll to the **Restore Configuration from Local File** section, click on the backup.cfg file or type its name in the Restore From File text box and click the **Restore** button.
- h) To **Backup** a file, scroll to the **Backup Configuration to a Local File** section, chose to include encrypted passwords and keys in the backup file or not, select the backup’s file name (backup.cfg by default) and click the **Backup** button.

**Backup/Restore**

You have asked to backup the device configuration to a local file on your Connect WAN 3G, or to restore the configuration from a local file on your Connect WAN 3G.

Note: Go to [Backup/Restore Configuration to/from PC or Server](#) to backup/restore the configuration to/from files on a PC or server.

Select Local File Location

Select the location of local files to access and display for backup/restore:

- Access and display files in the local flash filesystem
- Access and display files on a local USB drive (A/)

Backup Configuration to Local File

Backup the configuration to a local file on your Connect WAN 3G.

**Note:** Backup will overwrite (replace) an existing file with the same name.

Include encrypted passwords and keys in the backup file.  
Read [important security information](#) about using this option.

Backup To File:

Restore Configuration from Local File

Restore the configuration from a local file on your Connect WAN 3G.

**Note:** If the restored configuration modifies the network settings, your Digi device server will dynamically switch to the new settings. You will need to manually redirect your browser to the new IP address.

Restore From File:

Enter the restore file name above, or select one from the available files list below by clicking on its name.

- Show only .cfg and .rci files
- Show all files

File Name	Size	Creation Date/Time
backup.cfg	146497 bytes	Jan 01 2098 00:22



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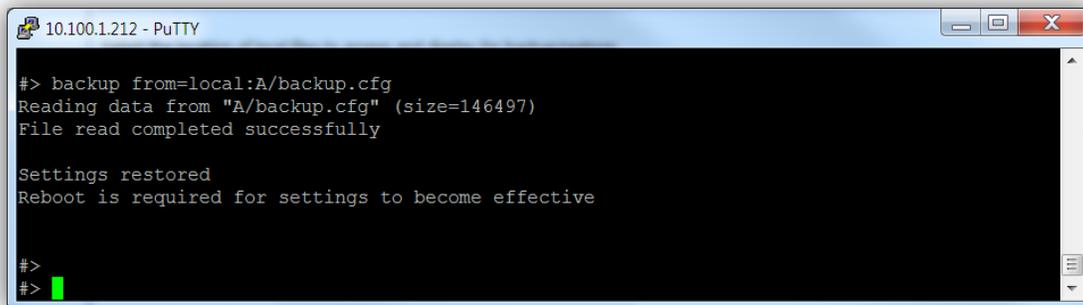
### 4) Configuration Backup and Restore from USB Flash drive by command line

- a) Make sure that the USB flash drive is formatted to the FAT32 file system, if not, proceed to (make sure to backup any data left on the drive as it will be fully erased)
- b) If you want to restore a backup file, copy it to the USB flash drive, it should look like this :

`x:\backup.cfg` (where *x* is the windows drive letter of the USB flash drive)

- c) Properly eject the USB flash drive using the windows eject functionality and plug it on the Digi Connect Wan 3G.
- d) Using Digi Device Discovery, discover the device, select it and click on **Telnet to Command Line**
- e) To **Restore** a backup configuration type the following command :

**backup from=local:A/backup.cfg**



```
10.100.1.212 - PuTTY
#> backup from=local:A/backup.cfg
Reading data from "A/backup.cfg" (size=146497)
File read completed successfully

Settings restored
Reboot is required for settings to become effective

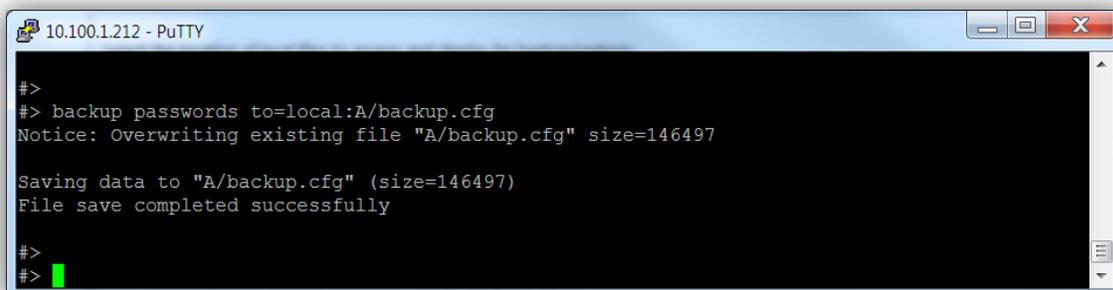
#>
#>
```

- f) A reboot is required for the settings to become effective, issue the following command to reboot the unit : `boot action=reboot`
- g) To **Backup** a configuration to the USB drive, type the following command :

**backup to=local:A/backup.cfg**

to include passwords and keys, type the following command :

**backup passwords to=local:A/backup.cfg**



```
10.100.1.212 - PuTTY
#>
#> backup passwords to=local:A/backup.cfg
Notice: Overwriting existing file "A/backup.cfg" size=146497

Saving data to "A/backup.cfg" (size=146497)
File save completed successfully

#>
#>
```