



## Atlas Series

# Firmware Upgrade Instructions

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## OVERVIEW

You can update the firmware on your Atlas either over-the-air, or locally via the Ethernet port.

The firmware release can consist of one, two, or three files: Main image firmware, Web (HTTP interface) firmware, and DCP firmware.

The upgrade package Atlas\_3p0r1.zip includes the files listed below:

**Atlas Main Image Firmware File** < p5m\_3p0r1D07062701\_Pupgrade>

**Atlas Web Image Firmware File** <web\_1p1D05081601\_Pupgrade>

**Atlas DCP Image Firmware File** <dcp1\_1p0\_Pupgrade>

**Release Notes** <Release Notes P5010M\_3p0r1.pdf>

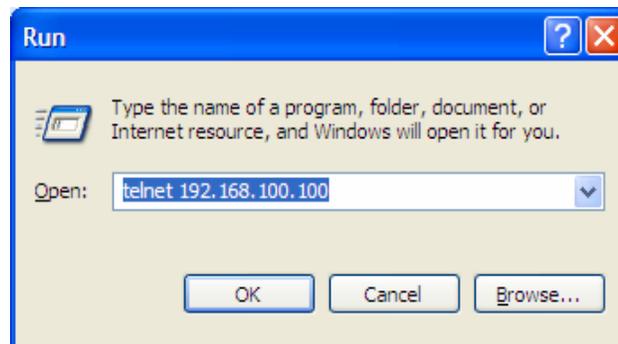
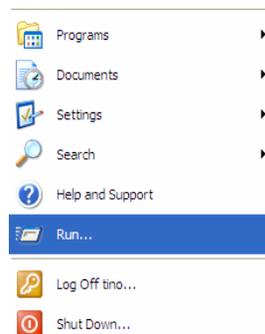
**Firmware Upgrade** <Atlas Series Firmware Upgrade 3p0r1.pdf>

Before beginning the upgrade procedure, be certain that all of these files have been downloaded and extracted to an easily accessible directory on your local hard drive.

## UPGRADE PROCEDURE

1. Place the firmware files in an easily accessible directory path on your computer.
2. Telnet into your unit by Click on Start menu then RUN. (figure 1&2) The figures use the default IP address, you must use the correct IP address for you Atlas unit.

**Figure 1**



**Figure 2**

3. At the login enter your password for Read/Write access. The default password is *trango* (figure3)
4. Enable the tftp daemon as shown below. (figure3)  
#> tftpd on  
Once enabled the prompt should show  
#>Success.

**Figure 3**

```
Welcome to Trango Broadband Wireless, Atlas PtP-P5010M 1p1r3D05100401
Password:
Login as read/write.
#> tftpd on
Success.
```

5. Open a MS-DOS prompt window and access the directory that you extracted the firmware files.  
Example: *C:\CD Firmware*  
*C:\Firmware*
6. Using windows TFTP command line tool, we will upload the firmware file. The tftp syntaxs and an example are below. (figure 4)

TFTP [-i] host [GET | PUT] source [destination]

Example: *tftp -i 192.168.100.100 put p5m\_3p0r1D07062701\_Pupgrade*

**Figure 4**

```
C:\firmware>tftp -i 10.8.2.138 put p5m_3p0r1D07062701_Pupgrade
Transfer successful: 1951744 bytes in 15 seconds, 130116 bytes/s
```

**Note: After uploading the firmware, the radio will activate the firmware automatically. DO NOT POWER CYCLE OR INTERRUPT THE PROCESS for 2 minutes as it may result in damaging the unit.**

7. Perform the previous steps with the DCP & Web image files.

## Verifying Upgrade

In order to verify that the Main Image firmware upgrade was successful, simply telnet to the unit and the firmware will be display in the upper right of the login screen. (figure5)

Figure 5

```
Welcome to Trango Broadband Wireless, Atlas PtP-P5010M 3p0r1D07062701
Password
```

In order to verify that the Web Image firmware was upgrade successfully, login via the web interface and the web version will be display in the lower left of the web page. (figure6)

Figure 6

**Atlas PtP MU**  
**System Information**

**Installation**  
[Configuration](#)  
[Site Survey](#)

**Management**  
[Link Test](#)  
[Help](#)

**Current Status**

Opmode on

Channel 22 v  
Peer ID DEFFFFFF3  
connected RSSI -49 dBm

Web Ver 1p1D05081601

**System Information** *Trango Broadband Wireless*

\*\*\*\*\* 0 \*\*\*\*\*

Model P5010M (INT)  
Unit Type MU  
Hardware Version 5010  
Firmware Version 1p1r3D05100401  
System Up Time 00:13:23  
\*\*\*\*\* 1 \*\*\*\*\*

MAC 00 01 DE 1B 77 47  
IP 10.8.2.138 Subnet Mask 255.255.255.240 Gateway 10.8.2.129  
\*\*\*\*\* 2 \*\*\*\*\*

Opmode on Default Opmode on  
Peer ID DEFFFFFF3 Status connected RSSI -49 dBm  
Channel 22 v Tx Power 19 dBm  
\*\*\*\*\* 3 \*\*\*\*\*

In order to verify the status of the DCP file. Telnet into the unit and run a `sysinfo 2` Looking at the output of the command the temp and voltage option will have values. If there are no values then the DCP image file is not upgraded. (figure7)

Figure 7

```
***** 2 *****
[Radio Temp] 38 C [PoE Voltage] 24.3 V
[Opmode] on [Default Opmode] on
[Active Channel] 22 v [Freq] 5795 MHz
[Speed] 12 Mbps [Tx Power] 12 dBm [Power Range] -4..19 dBm
[Peer ID] DEFFFFFF3 [Status] connected [RSSI] -49 dBm
```

## FIRMWARE UPGRADE PASSWORD

The firmware filename includes the upgrade password (the characters after the ‘\_P’ in the file name). The default upgrade password in the Atlas radios is *upgrade*. Users may change the upgrade password within the radios using the password upgrade command. (figure8) Firmware release file from Trango Broadband Wireless will always be named with the default upgrade password of *upgrade*. If a user changes the upgrade password in the radio, then the firmware file name must be changed in order to upgrade the radios.

## Troubleshooting Tips

When upgrading through the wireless, ensure that your link isn't experiencing any packet lost or high amount of latency. If the link is experiencing packet lost or high latency, we recommend the following tips:

1. Configure both the Atlas units to the minimum speed rate (6Mbps) and turn off autorateshifting.
2. Use a TFTP program that will allow you to change the timeout period and block size.
3. Perform the upgrade via the Ethernet port of the Atlas.

If you experience an error with the tftp program such as

tftp: can't read from local file

1. Ensure that you are running the program from the same directory the firmware is located.
2. Ensure that you are typing the correct file name

Error on server : Fail to upgrade: tftpd is disabled

1. Make sure the tftpd is running on the unit. (figure3)
2. Ensure that firewall setting on your computer are not blocking tftp