TELETRONICS INTERNATIONAL INC.

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TT2400/TT5800 Upgrade FAQ

How to upgrade?
The TT2400/TT5800 could be upgraded either from web interface or from EZ-Manager. Please check user manual for detail instruction.

Do I need an Activation Key after flashing with a newer firmware, 3.7.x or higher?
No. All the TT2400/TT5800 units shipped from Teletronics are already activated. Since Firmware 3.1.7X and 3.7.X or higher, Teletronics has now remove the necessary step to provide a activation key to change from SU to AP and vice versa in our TT2400 and TT5800 product line. For example, if you have a TT2400 in SU mode with 3.6.0 firmware, the activation key is not required if you upgrade to either 3.7.0 (SU mode) or 3.7.1 (AP mode), or later.

Do I need an Activation Key after flashing with an older firmware, 3.6.x or lower?
You might need an activation key for older firmware. Please check the upgrade guide released with the older firmware.

Do I need an Activation Key after swapping out with another radio card?
Yes, if the radio card is swapped out with another card an activation key will still be required. This rule will apply to all radio cards swapped out with a different MAC address from the original card.

How to get the activation key?
Please send all activation key requests to: keyrequest@teletronics.com
All you have to provide in the email will be the model of the unit and the MAC address.

Which firmware to upgrade?
Currently there're two PCB Hardware revisions V3.0 and V5.0.0, both have 4MB Flash on the board. However the old firmware 3.1.x released for our first batch back in year 2005 utilized 2MB flash only, while the firmware 3.2.x (or above) utilized the whole 4MB flash.

The firmware revision 3.1.X and 3.2.X (or above) are not interchangeable due to the different flash size utilization. If you received boards by default with firmware 3.1.X then you have got the 2M version. If you received boards by default with firmware 3.2.X or above then you have got the 4M version. If you were to upgrade a 4M unit with a 2M firmware the unit will show no change after the flashing process.

For each release, we publish 2 series of firmware, one for 2M version and one for 4M version. Function and performance wise, there's no difference between these two. So the customer with 2M version will continue to enjoy the latest feature upgrade and bug fix. For instance, 3.1.70 is the 2M version, while the counterpart 4M version is 3.7.0.

What does the prefixed Alphabet mean from version 3.9.x or later?
You probably notice the new version name changed to Cx.x.x since C3.9.0 and C3.9.1. The prefix "C" means the firmware is to be upgraded on hardware revisions V3.0 and V5.0.0. In the future, we'll use prefix "D" for our next hardware revision to distinguish between hardware revisions.

Will upgrade keep my previous configuration?
No, we suggest customer to reset the unit to factory default located in "admin" section and configure it again after the upgrade.

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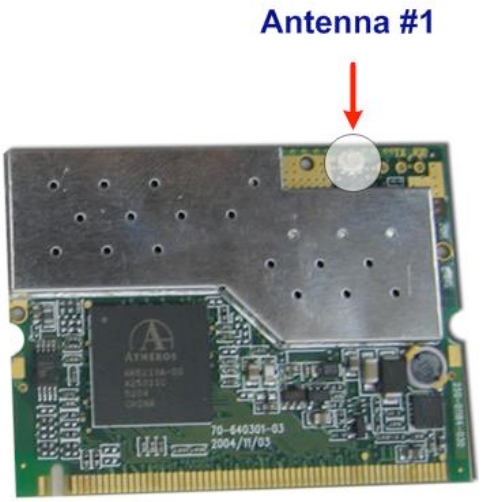
Which "Antenna Diversity" option should I use under the Advanced Page?
Since version 3.1.4x and 3.4.x, we allow customer to configure Antenna port. There are 3 options: "Diversity", "Use Antenna#1" and "Use Antenna #2". If the wireless frequency in the area is very crowded there will be lots of interference. Using the default "Diversity" option might not be the best option to achieve optimal performance. Please use the configuration chart below to manually assign default antenna ports that provide both RX and TX operations. Manually setting the antenna diversity will under most cases increase the RF output power and receive sensitivity performance.

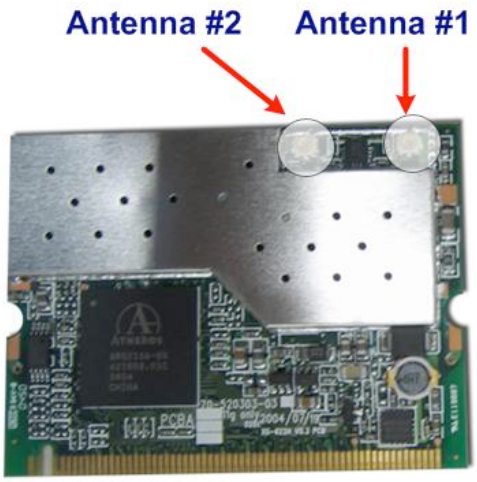
Teletronics TT2400/TT5800	Antenna Selection
TT2400 shipped with 3.4.x firmware or earlier	"Use Antenna #2"
TT2400 shipped with 3.5.x firmware or later	"Use Antenna #1"
TT5800	"Use Antenna #1 only"

How to identify the physical radio port?

Make sure also that U.FL cable adapter for the MiniPCI radio card is connected properly matching the antenna number you selected. Please use the following picture to identify antenna port numbers:



TT5800 802.11A MiniPCI Card



TT2400 802.11G MiniPCI Card

Note: Using the wrong antenna port on the TT2400 will drastically lower your radio output power sometimes by as much as 20dBm.