Instructions for installing this AvaLAN Firmware Update

This firmware release applies to the AW900xTR, AW900xTR-PAIR and AW900xTP. This Radio firmware Version 106 is not backward compatible with earlier versions. It upgrades your radio to provide improved range and immunity from certain types of signal interference through a mechanism called "Forward Error Correction." If a sub block error is detected, redundant coding bits are added to the retransmitted sub block, greatly increasing the likelihood of successful delivery. This allows reliable communication to continue at lower signal to noise levels. Do not attempt to link a radio that has been upgraded to Version 106 with one that has not. Upgrade both members of a point-to-point bridge and all members of a point-to-multipoint star network.

These AvaLAN radios have a web browser interface that includes the capability of loading new firmware if changes are needed. These radios have two processors, one associated with the radio's functionality and a second one providing Ethernet connectivity. Firmware update requires these steps:

1. Make sure your radio is a 900 MHz outdoor unit as listed above.
2. Use your web browser to connect to the radio. If necessary, use the ipfinder.exe utility available from the same Downloads page at avalanwireless.com where you found this update. It allows you to scan your network and find the IP address of the unit.
3. The opening page of the browser interface shows the firmware version numbers for both processors:
    *   The Ethernet firmware version number is found at the top of the web page to the left of the login box.
    *   The Radio firmware version number is found as the last item under "Device Information."
4. If your Ethernet firmware version number is lower than 1.37.xxxx and or your Radio firmware version number is lower than 060, do not install the updates provided here. Call AvaLAN Technical Support for special instructions.
5. If your Ethernet firmware version number is 1.60.xxxx, no firmware upgrade is needed for this processor.
6. If your Radio firmware version number is 092, no firmware upgrade is needed for this processor.
7. If an upgrade is needed for either processor, the files included in the zip with this readme are the ones you need.
8. Using the radio's web browser interface as in Step 2, enter the password and click the Login button. (If you don't know the password and the factory default of "password" does not work, call AvaLAN Tech Support for assistance in performing a reset to factory defaults.)
9. Near the bottom of the Admin page is a section titled "Upload New Firmware." Enter the path to the Radio firmware update file (ending in ".bin") or click the "Browse..." button to find it. Then click "Upload Firmware" and "OK" to confirm. After a few seconds, the radio should reset and return to the Login page.
10. Repeat the previous step for the Ethernet firmware update file (ending in ".webbin").
11. By looking for the version numbers on the Login page as in Step 2, you can verify that the update was successful.