Introduction – The purpose of this note is to provide installation instructions and comments on a patch for the CQ/X Client software. The patch applies to version 1.8.0 of the software and is provided to implement the enhancements and fix the problems described below.

Previous Patches – This is the seventh patch for version 1.8.0. Users of version 1.7.9 that have installed all of the patches for that version and Patch 180-01, 180-02, 180-03, 180-04, 180-05, and 180-06 can apply this patch without downloading version 1.8.0. Other users should first download and install a full copy of version 1.8.0 from www.no5w.com then apply Patch 180-01, 180-02, 180-03, 180-04, 180-05, and 180-06 followed by Patch 180-07.

Installation – In addition to these notes the zip file associated with this patch contains a setup file for automatically installing the patch in C:\ProgramFiles\CWSoft\. **WARNING: Please note that the setup file assumes that you have installed the program in C:\Program Files\CWSoft\. If this is not the case you can still run the setup but following this you will need to manually copy each of the files to their corresponding directories in your location.** Here's a list of the files contained in this patch and a description of where they will be installed. On a Win 7 system the directory Program Files referenced below will be Program Files (x86). CQ/X is a 32-bit application.

File	Installation
CQXClient.exe CabrilloTags.txt CQxCommands.dat	These are the main executable, a file containing the Cabrillo tag definitions, and a file containing the key-assignable taks. They replace the files of the same name in the main directory which in the standard installation is **C:\ProgramFiles\CWSoft\ CQXClient**
TQP.DLL	This is the DLL that is used with all state QSO parties. It replaces the file of the same name in the ContestDefns subdirectory which in the standard installation is **C:\Program Files\CWSoft\ CQXClient\ContestDefns**
CQX-Driver.apk	This is the file that implements the Android device end of the Driver interface to allow communication of certain status information to the driver wirelessly via an Android phone or tablet. It is a new file which resides in a new directory (Android) located on the following path **C:\Program Files\CWSoft\ CQXClient\Devices\Android**
AL, AR, BC, CA, GA, HI, IN, IQ, KS, MARAC, MI, MN, MO, NH, NY, NC, OH, PA, SC, US, WI QP.def files	These are the definitions files for the indicated QSO Parties. They replace the files of the same name in their respective ContestDefns directories. **C:\Program Files\CWSoft\ CQXClient\ContestDefns\xxxQsoParty**
UserNotesForMobileOps.pdf	This set of notes for mobile ops replaces the file of the same name in the documents directory **C:\Program Files\CWSoft\ CQXClient\Documents**
Directory WASC_QSOParty	This is a new subdirectory containing the files required to implement the multi-QP for Salmon Run and South Carolina QSO Party. It is a sudirectory of **C:\Program Files\CWSoft\ CQXClient\ContestDefns**

Problems Addressed/Enhancements – The following problems/enhancements are addressed.

Problem/Enhancement	Description
Station activity information does not get presented if the station entry does not include the (info) item	This has been fixed.
The next county message is always sending 0 minutes.	This has been fixed.
The CQX-Driver color scheme and font size on the Android device should be modified to improve its	Deferred until Patch 180-08

readability.	
When attempting to build a crossing file for the South Carolina QSO Party using the Google Map method an error message incorrectly indicates that the KML file is not valid	This problem, due to bad MAX_NORTH, MAX_WEST, etc values in the SCQP.def file, has been fixed.
The Miles To Next (County) data on the GPS Panel is consistently showing zero about .38 mile prior to the actual county line crossing and prior to the next county being detected.	This has been fixed.
Performance appears to suffer once the log is large and backups are being made.	An incremental backup capability has been implemented.
The User Notes for Mobile operators needs to be updated to include information on the CQ/X-Driver functionality	The document has been updated.
There have been rule changes to the Arizona QSO Party	The files for AZ QP have been updated.
If there is a message(s) containing "CALL" in a QSO Party in which a county on the route has abbreviation "CALL" the message containing "CALL" gets mangled on a county change.	This has been fixed.
Once enabled the One-by-One ID notification does not get disabled	This has been fixed.
When using NC QP the program will not log a QSO with PA or Yukon Territories	This has been fixed for NC as well as other QSO parties given in the list of def files above.
A multi-QP is needed for the Salmon Run and the SC QP	This has been implemented.
I would like the SEND_LAST_WORD_QUERY key assignment better if it did not attach that final question mark.	This has been implemented as SEND_LAST_WORD_NOQUERY.
When the route contains a branch going into and out of a county along a single road the distance to next calculations behave erratically – see the figure below for an example	This has been fixed.