

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 1.7.9 of the software and is provided to implement the enhancements and fix the problems described below.

Previous Patches – This is the eight patch for version 1.7.9. Users of version 1.7.8 that have installed all of the patches for that version and Patches 179-01, 179-02, 179-03, 179-04, 179-05, 179-06, and 179-07 can apply this patch without downloading version 1.7.9. Other users should first download and install a full copy of version 1.7.9 from www.no5w.com then apply Patches 179-01, 179-02, 179-03, 179-04, 179-05, 179-06, 179-07, and then 179-08.

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.

File	Installation
CQXClient.exe CabrilloTags.txt CQxClient.ini	These are the main executable, a file containing the Cabrillo tag definitions, and a file of configuration information. They replace files of the same names in the main directory which in the standard installation is C:\Program Files\CWSoft\CQXClient\
TQP.DLL	This is the DLL file that runs all of the state QSO parties. It replaces the file of the same name residing in the ContestDefns subdirectory which in the standard installation is C:\ProgramFiles\CWSoft\CQxClient\ContestDefns\
FQP.mlt FQP.def	These are multiplier and definition files for the Florida QSO Party. They replace the files of the same names residing in the FloridaQsoParty sub-directory which in the standard installation is C:\ProgramFiles\CWSoft\CQxClient\ContestDefns\FloridaQsoParty\
IAQP_Cty.mlt	This is the multiplier file for the Iowa QSO Party. It replaces the file of the same name residing in the IowaQsoParty sub-directory which in the standard installation is C:\ProgramFiles\CWSoft\CQxClient\ContestDefns\IowaQsoParty\
KSQP_Cty.mlt	This is the multiplier file for the Kansas QSO Party. It replaces the file of the same name residing in the KansasQsoParty sub-directory which in the standard installation is C:\ProgramFiles\CWSoft\CQxClient\ContestDefns\KansasQsoParty
OK_Cty.mlt OKQP.def WVE_OK.mlt	These are the multiplier and definition files for the Oklahoma QSO Party. They replace the files of the same name residing in the OklahomaQsoParty sub-directory which in the standard installation is C:\ProgramFiles\CWSoft\CQxClient\ContestDefns\OklahomaQsoParty
TN_Cty.mlt	This is the multiplier file for the Tennessee QSO Party. It replaces the file of the same name residing in the TennesseeQsoParty sub-directory which in the standard installation is C:\ProgramFiles\CWSoft\CQxClient\ContestDefns\TennesseeQsoParty
MARAC_Cty.mlt	This is the multiplier file for the MARAC/US Counties QSO Party. It replaces the file of the same name residing in the MARAC_QsoParty sub-directory which in the standard installation is C:\ProgramFiles\CWSoft\CQxClient\ContestDefns\MARAC_QsoParty
NYQP.def	This is the definition file for the New York QSO Party. It

	replaces the file of the same name residing in the NewYorkQsoParty sub-directory which in the standard installation is C:\ProgramFiles\CWSoft\CQxClient\ContestDefns\NewYorkQsoParty
Directory BritishColumbiaQsoParty	This is the directory containing definition files for the British Columbia QSO Party. Files in this directory replace files of the same name. In the standard installation the directory is a subdirectory of C:\ProgramFiles\CWSoft\CQxClient\ContestDefns\
Directory ALMAR_QsoParty Directory ALMARQP_Maps	These are directories containing definition and map files for the multi QSO party consisting of the Alabama and Maritime parties. Files in these directories are new files. In the standard installation the ALMAR_QsoParty directory is a subdirectory of C:\ProgramFiles\CWSoft\CQxClient\ContestDefns\ and ALMARQP_Maps is a subdirectory of C:\ProgramFiles\CWSoft\CQxClient\Maps
WVE_AL.mlt	This is the multiplier file for the Alabama QSO Party and replaces the file of the same name in the AlabamaQsoParty directory.
NH_Cty.mlt	This is the county multiplier file for the New Hampshire QSO Party and replaces the file of the same name in the NewHampshireQsoParty directory.
MSQP_Cty.mlt	This is the county multiplier file for the Mississippi QSO Party and replaces the file of the same name in the MississippiQsoParty directory.
ConList.dat	This is a file listing all of the contests supported by CQ/X. It replaces the file of the same name in C:\ProgramFiles\CWSoft\CQxClient\ContestDefns\
Directory LANH_QsoParty Directory LANHQP_Maps	These are directories containing definition and map files for the multi QSO party consisting of the Louisiana and New Hampshire parties. Files in these directories are new files. In the standard installation the LANH_QsoParty directory is a subdirectory of C:\ProgramFiles\CWSoft\CQxClient\ContestDefns\ and LANHQP_Maps is a subdirectory of C:\ProgramFiles\CWSoft\CQxClient\Maps
ARRL_10M.def ARRL10M_Def_Msg_Mob.txt	These are the definition and message files for the ARRL 10m contest. They reside in C:\ProgramFiles\CWSoft\CQxClient\ContestDefns\ARRLTenMeterContest\
NMQP.def NMQP_Logo.bmp	This is the definition and logo files for the New Mexico QSO Party. They replace files of the same name in the NewMexicoQsoParty directory.
NCQP_Cty.mlt	This is the county multiplier file for the North Carolina QSO Party and replaces the file of the same name in the NorthCarolinaQsoParty directory.
WAK_Poly.txt WAK_PolyXY.txt AdjCtyByAbbrev.txt	These are the Wake County polygons and the list of county adjacencies in county abbreviation format for the North Carolina QP and replace files of the same name in the NCQP_Polygons directory.
AdjCtyByAbbrev.txt in the Polygons directories of numerous QSO parties	These are lists of county adjacencies in county abbreviation format for their respective QSO parties. They replace files of the same name in their respective Polygons directories

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

Problem/Enhancement	Description
Some typos of the county names in	Typos have been removed for the FQP, IAQP, and KSQP.

the multiplier files for FQP, IAQP, and KSQP are causing problems with the automatic county detection for certain counties.	
Entry of long callsigns into the QSO Entry window seem to be sluggish	Some performance improvements have been made to that process.
On startup answering YES to the question "Continue the GPS log from a previous session?" causes the program to crash.	This problem has been fixed.
Some additional categories have been added to the New York QSO Party.	These changes have been made to the definition file for the NYQP
Attempts to enter a contact in the ARRL 10m contest cause an index out of bounds error.	This problem has been fixed.
Some minor changes have been made to the BC QSO Party	The changes have been implemented.
The Alabama QSO Party has changed to 13 VE mult entities	The changes have been implemented.
It would be nice to be able to log the Alabama and Maritimes QSO parties concurrently.	The AL-MAR QSO Party has been added.
There have been some multiplier changes in the Oklahoma QSO Party including allowing mult credit for each DX entity.	The changes have been implemented.
The polygon for Wake County North Carolina was misnamed.	This has been fixed
A typo in the NH_Cty.mlt is causing the county multipliers for the NHQP to fail to load	This has been fixed
County abbreviations for the MSQP have not been standardized. At least two sets are currently in use.	Aliases have been added to enable handling of both sets.
Some bonus scoring was not being handled properly for the NHQP.	This has been fixed
It would be nice to be able to log the New Hampshire and Louisiana QSO parties concurrently.	The LANH QSO Party has been added.
Accuracy of the crossing point calculation and point of county detection can be improved by reducing the threshold for changing the reference point for the polar to rectangular coordinate conversion.	The threshold value has been reduced from 100 to 10 miles in the ini file.
There have been some scoring and sponsorship changes in the New Mexico QSO Party.	The changes have been implemented.
The feature to find the crossings from a Google map works fine the first time but on subsequent uses during the same session it only finds a subset of the crossings.	This has been fixed.
On startup the waypoints are not	This has been fixed.

automatically loaded and when using the feature to Build Plan from a Google Map it is necessary to perform the steps manually in a prescribed sequence.	
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