

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 1.7.7 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 1.7.7. Users of version 1.7.6 that have installed all of the patches for that version, Patch 177-01, Patch 177-02, Patch 177-03, Patch 177-04, Patch 177-05 and Patch 177-06 can apply this patch without downloading version 1.7.7. Other users should first download and install a full copy of version 1.7.7 from www.no5w.com then apply Patch 177-01, Patch 177-02 Patch 177-03, Patch 177-04, Patch 177-05, Patch 177-06, and then apply Patch 177-07.

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\CQXClient\. **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 configuration file. They replace the files of the same name in the main directory which in the standard installation is C:\Program Files\CWSoft\CQXClient\
TQP.DLL	This is the DLL that supports all of the state QSO parties, including the multi-contests. It replaces the file of the same name in the ContestDefns subdirectory which in the standard installation is C:\Program Files\CWSoft\CQXClient\ContestDefns\
OK_CTY.mlt	This is the county multiplier file for the Oklahoma QSO Party. It replaces the file of the same name in the OklahomaQsoParty directory, which in the standard installation is C:\Program Files\CWSoft\CQXClient\ContestDefns\OklahomaQsoParty\
CQXClient.hlp CQXClient.cnt	These are the help file and its associated table of contents file for the on-line help. They replace files of the same name in the main directory which in the standard installation is C:\Program Files\CWSoft\CQXClient\
CQXClient.pdf	This is the help file in user manual pdf format. It replaces the file of the same name in the Documents subdirectory which in the standard installation is C:\Program Files\CWSoft\CQXClient\Documents
Subdirectory 7NEIN_QSOParty	This is the subdirectory containing definition and other files for the 7QP+NEQP+INQP multi-contest. It is a new subdirectory under the ContestDefns subdirectory which in the standard installation is C:\Program Files\CWSoft\CQXClient\ContestDefns\
Subdirectory 7NEIN_Maps	This is the subdirectory containing map files for the 7QP + NEQP + INQP multi-contest. It is a new subdirectory under the Maps subdirectory which in the standard installation is C:\Program Files\CWSoft\CQXClient\Maps\
Subdirectory MontanaQsoParty	This is the subdirectory containing definition and other files for the Montana QSO Party. It is a new subdirectory under the ContestDefns subdirectory which in the standard installation is C:\Program Files\CWSoft\CQXClient\ContestDefns\
Subdirectory MT_QP.maps	This is the subdirectory containing map files for the Montana QSO Party. It is a new subdirectory under the Maps subdirectory which in the standard installation is C:\Program Files\CWSoft\CQXClient\Maps\

Subdirectory FLNE_QSOParty	This is the subdirectory containing definition and other files for the FQP+NEBQP multi-contest. It is a new subdirectory under the ContestDefns subdirectory which in the standard installation is C:\Program Files\CWSoft\CQXClient\ContestDefns\ .
Subdirectory FLNE_Maps	This is the subdirectory containing map files for the FQP + NEBQP multi-contest. It is a new subdirectory under the Maps subdirectory which in the standard installation is C:\Program Files\CWSoft\CQXClient\Maps\ .
FQP.mlt	This is the county multiplier file for the Florida QSO Party. It replaces the file of the same name in the FloridaQsoParty directory, which in the standard installation is C:\Program Files\CWSoft\CQXClient\ContestDefns\FloiridaQsoParty\ .
ConList.dat	This is a file containing a list of the supported contests and associated information. It replaces a file of the same name in the ContestDefns subdirectory which in the standard installation is C:\Program Files\CWSoft\CQXClient\ContestDefns\ .
SioElecrafft.DLL SioIcom.DLL SioKenwood.DLL SioMLKey.DLL SioNMEA.DLL SioWinKey.DLL SioYaesu.DLL SioYaesu2K9K.DLL	These are the DLLs that provide interfaces between the main program and the various devices. They replace files of the same names in the Radios, Keyers, and GPS subdirectories under Devices which in the standard installation is C:\Program Files\CWSoft\CQXClient\Devices\ .
WVE_SP_7QP_MULTI.mlt WVE_SP_IN_MULTI.mlt WVE_SP_NE_MULTI.mlt	These are new multiplier files for the 7QP, INQP, and NEQP that allow a station inside the region of one of those QSO parties to properly log exchanges from other stations operating in one of the other parties of the multi-QP. These files reside in the ContestDefns subdirectory which in the standard installation is C:\Program Files\CWSoft\CQXClient\ContestDefns\ .
WVE_SP_FL_MULTI.mlt WVE_SP_NEB_MULTI.mlt	These are new multiplier files for the FQP and NEBQP that allow a station inside the region of one of those QSO parties to properly log exchanges from other stations operating in the other party. These files reside in the ContestDefns subdirectory which in the standard installation is C:\Program Files\CWSoft\CQXClient\ContestDefns\ .
DevicesRtsDtr.dat	This is a new file containing the permissible and default values for the RTS and DTR signals for each of the devices supported by CQ/X. It is a new file residing in the Devices subdirectory which in the standard installation is C:\Program Files\CWSoft\CQXClient\Devices\ .
TQP.DLL	This is the DLL that implements the personality of each of the state QSO parties as well as the county detection logic and related processing. It replaces the file of the same name in the ContestDefns subdirectory which in the standard installation is C:\Program Files\CWSoft\CQXClient\ContestDefns\ .

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

Problem/Enhancement	Description
The program issued an error message saying that Marshall and Love counties are not adjacent. But from a map they clearly are.	A typo (Harshall, instead of Marshall) has been corrected in the OK_CTY.mlt file.
On the operator notes it would be nice to have the band and mode	This information has been added to the operator notes.

along with the time stamp.	
It would be nice to have a single instance of CQ/X in which the 7QP, NEQP, and INQP could be logged.	A multi-contest feature has been added that supports concurrent operation of these three contests. The implementation also includes the capability to split the log into individual logs and a simple procedure is described in the help file for producing the final Cabrillo-formatted logs for each contest.
It would be nice to have a single instance of CQ/X in which the Florida and Nebraska QSO parties could be logged.	Data files allowing use of the multi-contest feature for concurrent operation of these two contests are included..
Currently I'm manually adding a network link to the KML file to include APRS tracking for my rover activity. It would be nice to provide this as a user option during preparation of the KML.	An option to include a network link to a specified APRS call sign has been included on the KML preparation dialog.
Currently I'm manually adding a network link to the KML to include the Google Maps path for my rover route. It would be nice to provide this as a user option during preparation of the KML.	An option to include a network link to a user-specified KML file of the route has been included on the KML preparation dialog along with access to a brief document explaining how to create the required route KML.
MiQP has revised its Canadian multiplier definitions	These changes have been reflected in the MiQP definition file.
The Montana QSO Party is back	Support for the Montana QSO Party has been implemented.
Some duplicate county entries were found in the FQP.mlt file.	FQP.mlt file was cleaned up.
The County Hunter forum no longer exists.	The links to this forum have been replaced by links to the Trip Plans page supported by K3IMC.
I am unable to connect to the IC-7K using my adapter but connection works fine with microHam CWKeyer	Assertion of RTS/DTR which some adapters require for power has been fixed. The implementation adds flexibility to independently specify +/-RTS and +/-DTR.
Operation on a Multi-County line works for the case of two counties but the tabbing is incorrect for the case of three or more counties.	This problem has been fixed.