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 fourteenth 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, 180-06, 180-07, 180-08, 180-09, 180-10, 180-11, 180-12, and 180-13 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, 180-06, 180-07, 180-08, 180-09, 180-10, 180-11, 180-12, 180-13 followed by Patch 180-14.

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. You should run CQ/X as administrator.

File	Installation
CQXClient.exe CabrilloTags.txt	These are the main executable and a file containing the Cabrillo tag definitions. They replace the files of the same name in the main directory which in the standard installation is **C:\ProgramFiles\CWSoft\ CQXClient**
SioIcom.DLL	This is the DLL that runs the interface to Icom radios. It replaces the file of the same name in the Radios subdirectory which in the standard installation is **C:\ProgramFiles\CWSoft\ CQXClient\ Devices\Radios**
SioElecraft.DLL	This is the DLL that runs the interface to Elecraft radios. It replaces the file of the same name in the Radios subdirectory which in the standard installation is **C:\ProgramFiles\CWSoft\ CQXClient\ Devices\Radios**
Devices.dat DevicesRtsDtr.dat	These are files listing the supported devices and their default RTS and DTR settings. They replace files of the same names in the Devices subdirectory which in the standard installation is **C:\ProgramFiles\CWSoft\ CQXClient\ Devices**
IC-7100.pdf	This is user documentation for the IC-7100 in pdf format. It is a new file which resides in the Radios sub-directory which in the standard installation is **C:\ProgramFiles\CWSoft\ CQXClient\ Devices\Radios**
NebraskaQsoParty\ NEBQP_Cty.mlt	This is the file listing the county multipliers for the Nebraska QSO Party. It replaces the existing file of the same name in the NebraskaQsoParty directory which in the standard insallation is a sub-directory of the following **C:\ProgramFiles\CWSoft\ CQXClient\ContestDefns**
IndianaQsoParty	This is the directory containing definitions and county polygons for the Indiana QSO Party. It replaces the existing directory of the same name in the ContestDefns directory which in the standard installation is a sub-directory of the following **C:\ProgramFiles\CWSoft\ CQXClient**
7NEIN_QSOParty\ 7NEINQP_Cty.mlt	This is the file containing multiplier definitions for the 7NEIN multi-QSO Party. It replaces the existing file of the same name in the 7NEIN_QSOParty directory which in the standard installation is a sub-directory of the following **C:\ProgramFiles\CWSoft\ CQXClient\ContestDefns**
7QP_QSOParty\	This is the W/VE multiplier definitions file for the 7QP QSO

WVE_7QP_MULTI.MLT	Party. It replaces the existing file of the same name in the 7QP_QSOParty directory which in the standard installation is a sub-directory of the following **C:\ProgramFiles\CWSoft\ CQXClient\ContestDefns**
NewEnglandQSOParty\ WVE_NE_MULTI.MLT	This is the W/VE multiplier definitions file for the New England QSO Party. It replaces the existing file of the same name in the NewEnglandQsoParty directory which in the standard installation is a sub-directory of the following **C:\ProgramFiles\CWSoft\ CQXClient\ContestDefns**
DelawareQsoParty\DEQP.def DelawareQsoParty\WVE_DE.MLT	These are files containing definitions and W/VE multiplier definitions for the Delaware QSO Party. These files replace existing files of the same name in the DelawareQsoParty directory which in the standard installation is a sub-directory of the following **C:\ProgramFiles\CWSoft\ CQXClient\ContestDefns**

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

Problem/Enhancement	Description/Status
Please add support for the IC-7100	
In the Texas QP the bonus for working mobiles in five or more counties appears to be included twice	
After importing from a Cabrillo log the statistics do not work	Problem has been fixed.
On starting the Nebraska QSO party an error message complains of a missing polygon file for county Douglas.	Problem has been fixed.
It would be nice to be able to access the county outline maps from CQ/X	This has been implemented.
When using the internal keyer of the K3 use of the Escape key to terminate the message results in an “EOT” in the message.	This has been fixed.
Please add support for the KX3	This has been added.
Abbreviation for Douglas County in Nebraska is incorrect and needs to be changed	This has been fixed.
Please implement the new Indiana QSO Party county abbreviations	This has been done.
Florida has a new spelling bee “FLORIDA SUN”	This has been done.

Known Problems Remaining – The following problems/enhancements remain to be addressed.

Problem/Enhancement	Description/Status
Please implement support for using the internal keyer of the TS-480	
The CQX-Driver color scheme and font size on the Android device should be modified to improve its readability.	
For radios that support SWR detection I would like to be able to create a plot of SWR for a specified	

range of frequencies	
Automatic detection of ports and their baud rates for each device would be beneficial	
Auto-fill is logging the previous exchange even when it is from a mobile in a new county.	Note: Reported by K5PI
The Arizona QSO Party has changed the information in its exchange	