

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

**Previous Patches** – This is the first patch for version 1.8.1. Users of version 1.8.0 that have installed all of the patches for that version can apply this patch without downloading version 1.8.1. Other users should first download and install a full copy of version 1.8.1 from [www.no5w.com](http://www.no5w.com) which incorporates version 1.8.0 and all of the Patches 180-01 through 180-18.

**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 7/10 system the directory Program Files referenced below will be Program Files (x86). CQ/X is a 32-bit application.

**Please Note: On Win7 and later 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 and version information. They replace the files of the same name in the main directory which in the standard installation is <b>C:\ProgramFiles\CWSoft\CQXClient\</b>
SioIcom.DLL	This is the DLL that runs the interface to the Icom radios. It replaces a file of the same name residing in the Radios subdirectory which in the standard installation is ...\\CWSoft\CQxClient\Devices\Radios\
SioElecraft.DLL	This is the DLL that runs the interface to the Elecraft radios. It replaces a file of the same name residing in the Radios subdirectory which in the standard installation is ...\\CWSoft\CQxClient\Devices\Radios\
TQP.dll	This is the DLL that runs all of the state QSO parties. It replaces a file of the same name residing in the ContestDefns subdirectory which in the standard installation is ...\\CWSoft\CQxClient\ContestDefns\
...\\ContestDefns\..QSOParty\	The definition file (*.def) has been updated for each state QSO party to include a line referencing file xxQP_FullToTQSL.txt mapping CQ/X full county names to those used in TQSL and the xxQP_FullToTQSL.txt file has been added to the folder for each state QP. This is in support of the automated preparation of files for upload to LoTW.
ContestDefns\MOMS_QsoParty	This is a directory containing files to support the multi-QP consisting of the Missouri and Mississippi QSO parties
Maps\MOMS Maps	A new directory containing maps forr the MOMS multi-QP.
ExtractLoTWLogsFromGPSLog.pdf	This document describes how to extract and use the files needed for upload to LoTW from the GPS log kept by CQ/X. It is a new document residing in the Documents subdirectory which in the standard installation is <b>C:\ProgramFiles\CWSoft\CQXClient\Documents\</b>

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

<b>Problem/Enhancement</b>	<b>Description/Status</b>
When using the IC-7100 and IC-7300 radios the program can control the radio but changes on the radio are not being read by the program	Fixed
It would be beneficial to have control of the RF Gain via keystrokes in CQ/X.	This has been implemented for the K3. Alt + LeftArrow decreases RFGain and Alt + Right Arrow increases RF Gain. These keys are hard-coded but other keys can also be assigned these two tasks if desired. Currently the increment is 20 on a range of 0 – 250.
Ability to operate the Missouri and Mississippi QSO parties concurrently as a multi-QP would be helpful	This has been implemented.
Automation of the preparation of files for uploading to LoTW would be helpful for the mobile operator	This has been implemented.
An invalid character in the log file will cause the program to hang on restart	This has been fixed.
Please add support for the Arizona QSO Party	Support has been added
Please add support for the Nevada QSO party	Support has been added

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

<b>Problem/Enhancement</b>	<b>Description/Status</b>
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	
In the Texas QP scoring the bonus for working mobiles in five or more counties appears to be included twice	
Please add ability to segment a long trip into daily trips based on user input	
Some windows are too large for the screen on which they need to be	

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displayed		
Please implement phone keying from wave files which would be very helpful to phone operators.		