

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

**Previous Patches** – This is the second patch for version 1.7.8. Users of version 1.7.7 that have installed all of the patches for that version as well as Patch 178-01 can apply this patch without downloading version 1.7.8. Other users should first download and install a full copy of version 1.7.8 from [www.no5w.com](http://www.no5w.com) then apply Patch 178-01, and Patch 178-02.

**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	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 <b>C:\Program Files\CWSoft\CQXClient\</b>
SioElecraft.dll	This is the DLL file that implements the interface to the K2 and K3 radios. It replaces the file of the same name in the Radios sub-directory which in the standard installation is <b>C:\ProgramFiles\CWSoft\CQXClient\Devices\Radios\</b>
TQP.DLL	This is the DLL that runs each of the state QSO parties. It replaces the file of the same name in the ContestDefns subdirectory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b>
ARQP.def	This is the definition file for the Arkansas QSO Party. It replaces the file of the same name in the ArkansasQSOParty subdirectory that in in standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\ArkansasQsoParty\</b>
WhatYouNeed.pdf	This documentation file describes what you need in order to use CQ/X in a mobile operation. It replaces the file of the same name in the Documents subdirectory which in the standard installation is <b>C:\ProgramFiles\CWSoft\CQXClient\Documents\</b>
OneDupeSprintCW TwoDupeSprintCW	These are directories for the contests based on the NCCC Thursday night half-hour sessions that allow working a dupe after one or two intervening QSOs. These are new directories which are installed in the ContestDefns subdirectory which in the standard installation are <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b>
HawaiiQsoParty HIQPMaps	These are directories for the Hawaii QSO party. These are new directories which are installed respectively in the ContestDefns subdirectory which in the standard installation are <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b> and in the Maps directory <b>C:\Program Files\CWSoft\CQXClient\Maps\</b>

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

Problem/Enhancement	Description
The internal keyer in the K3 could be used instead of a WinKey	The capability to use the internal keyer in the K3 has been implemented. Choose that option using the Keyer menu. The K3 keyer will override the WinKey keyer if both are connected.
There have been rule changes in the Arkansas QSO Party	ARQP.def and TQP.DLL have been modified to support the rules changes.

The Thursday night NCCC sprints have dupe rules that vary from time to time including allowing same band dupes after one or two intervening QSOs	Two new contests have been introduced to handle this type of duping: ONE-DUPE-SPRINT-CW, and TWO-DUPE-SPRINT-CW.
Support is needed for the Hawaii QSO Party	Support for this party has been added.