

**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 second patch for version 1.7.7. Users of version 1.7.6 that have installed all of the patches for that version and Patch 177-01 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](http://www.no5w.com) then apply Patch 177-01 and then Patch 177-02.

**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\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	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>
SDQP.def SDQP_Summary.txt	These are the definition and summary template files for the South Dakota QSO Party. They reside in the SouthDakotaQsoParty subdirectory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\SouthDakotaQSO Party</b>
SioNMEA.DLL	This is the DLL that provides the interface to GPS devices. It replaces the file of the same name in the GPS subdirectory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\Devices\GPS\</b>
SumData.DLL	This is the DLL that fills in the summary sheet for 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>
TQP.DLL	This is the DLL that supports all 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>
IDQP.def IDQP_Logo.bmp	These are the definition and logo files for the Idaho QSO Party. They replace files of the same name in the IdahoQsoParty subdirectory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\IdahoQsoParty\</b>
RAC.DLL	This is the DLL that supports the RAC Winter contest as well as the ARRL Ten Meter contest. 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>
ARRLTenMeterContest directory ITU_Regions.mlt WVE_SP_ARRL10M.mlt	This is a directory containing the definition and other files for the ARRL Ten Meter Contest along with two multiplier files needed by that contest. The directory is a new subdirectory of the Contest Defns directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b> .

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

Problem/Enhancement	Description
The South Dakota QP requires a	A summary sheet has been added for the SD QP

summary sheet	
The heading data from the GPS behaves erratically sometimes causing an error in the closing speed to the county line crossing	The GPS interface module has been revised to pick up the heading from the GPRMC sentence provided by the GPS.
On restarting the program the distance and time to next will not update until the crossing file has been manually reloaded	A problem with the crossing file reload/unload process has been fixed. It is no longer necessary to manually reload the crossing file.
The County Results display for mobiles is not updating properly	This problem has been fixed.
The similar calls search feature should automatically reload on resuming a contest	This problem has been fixed It is no longer necessary to manually reload the files containing this data.
Website and sponsorship information for the Idaho QSO Party is incorrect	Information for the IDQP has been corrected
Support for the ARRL Ten Meter Contest	Support for this contest has been added in hopes of a band opening -- someday.