

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 1.7.6 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 1.7.6. Users of version 1.7.5 that have installed all of the patches for that version and 176-01, 176-02, 176-03, 176-04, 176-05 and 176-06 can apply this patch without downloading version 1.7.6. Other users should first download and install a full copy of version 1.7.6 from www.no5w.com then apply patches 176-01, 176-02, 176-03, 176-04, 176-05, 176-06, and 176-07 in that order. Note that although there was a problem with 176-04 you should still install it to implement the non-problematic changes. The problem is fixed in patch 176-05.

Installation – In addition to these notes the zip file associated with this patch contains a setup file for automatically installing the patch in C:\Program Files\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	This is the main executable and a file containing the Cabrillo tag definition. They replace the files of the same name in the main directory which in the standard installation is C:\Program Files\CWSoft\CQXClient\
SimGPS.exe	This is the executable for the GPS simulator. It replaces the file of the same name in the GPSSimulator directory which in the standard installation is C:\Program Files\CWSoft\CQXClient\Devices\GPSSimulator\
ConList.dat	This is the file listing the available contests and replaces the file of the same name in the ContestDefns directory which in the standard installation is C:\Program Files\CWSoft\CQXClient\ContestDefns\
WVE_SP_VE_IA.mlt	This is a new file containing the US state and Canadian provinces for the Iowa QSO party. It is installed in the ContestDefns directory which in the standard installation is C:\Program Files\CWSoft\CQXClient\ContestDefns\
Directory IowaQsoParty	This new directory contains files to support the Iowa QSO Party and is a subdirectory of the ContestDefns directory which in the standard installation is C:\Program Files\CWSoft\CQXClient\ContestDefns\
Directory IAQP_Maps	This new directory contains map files to support the Iowa QSO Party and is a subdirectory of the Maps directory which in the standard installation is C:\Program Files\CWSoft\CQXClient\Maps\
SioNMEA.DLL	This is the DLL that handles the interface between the GPS and CQ/X. It replaces the files of the same names in the GPS and GPS Simulator subdirectories which in the standard installation will be C:\Program Files\CWSoft\CQXClient\Devices\GPS\ and C:\Program Files\CWSoft\CQXClient\Devices\GPSSimulator\
SioIcom.DLL SioElecrafft.DLL	These are the DLLs that handle the interface between Icom radios and Elecraft radios and CQ/X respectively. They replace the files of the same names in the Radios subdirectory which in the standard installation will be C:\Program Files\CWSoft\CQXClient\Devices\Radios\

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

Problem/Enhancement	Description
GPS simulator will not drive Streets & Trips	Line termination was missing a carriage return.
GPS simulator will not work with com ports above 9.	Provided the necessary port name modification to avoid port name truncation by CreateFile in the Microsoft API.
Support for Iowa QSO Party	Added support for the Iowa QSO Party
CQ/X will not work with GPS ports above 99	Increased the size allocated to the GPS Port names
User request to allow changing the GPS advisory mode from AUTO to OFF and back by clicking on the indicator	Added this feature along with coloring of the indicator depending on the advisory mode.
CQ/X keys Icom radios when connecting through a Rigblaster Plug & Play interface	Cleaned up the opening of the com port in the SioIcom.DLL module
It would be nice to have the option of automatically changing power output depending on which antenna and mode are selected on the K3	This feature was added. Configuration of the feature is performed via the Config button on the K3 GUI.