

Software Procedure

SWP-0061 AFHCAN tConsult Client Software v6.x Installation Procedures

Revision: 8

Effective Date: 12/12/2011

Alaska Native Tribal Health Consortium
Division of Health Information & Technology
4000 Ambassador Drive
Anchorage, AK 99508
Tel: (907) 729-2260
Fax: (907) 729-2269



Contents

Contents	1
Purpose	2
Audience	2
Scope	2
Additional Resources	2
Acronyms and Abbreviations	2
Minimum System Requirements	3
Installation of tConsult Cart Software	3

Purpose

The purpose of this document is to provide detailed instructions on the necessary steps to install configure or uninstall the tConsult Cart Software onto a tConsult Cart, a customer laptop or desktop.

Audience

This document applies to persons who work in the Information Technology department within an organization and have a basic working knowledge of Windows XP.

Scope

tConsult Software provides a store and forward technology for health organizations to create telehealth cases for review either locally or to another organization if a trust relationship exists between the organizations.

The detailed steps listed in the first section will install the tConsult Cart Software onto the cart, desktop or laptop running Windows XP. The next section will outline how to configure the software with the last section on uninstalling tConsult Cart.

tConsult Cart uses WCF (Windows Communication Foundation) for authentication, and now necessitates the need to connect to an authoritative time source. During installation of the tConsult Cart software, the time service will be enabled and an authoritative time server established for the client. Should the client host of the tConsult Cart software be greater than five minutes different from the tConsult Server, users will not be able to log into the tConsult Cart software.

Additional Resources

SWP-0005

SWP-0007

Acronyms and Abbreviations

Table 1 lists the abbreviations and acronyms used in this document.

Table 1
Acronyms and abbreviations

Acronym	Meaning
WCF	Windows Communication Foundation
OS	Operating System
VSM	Vital Signs Monitor

Minimum System Requirements

.NET Framework 4.0

Windows XP SP3

Adobe Reader > = to Version 7.0 with License Accepted

Installation of tConsult Cart Software

1. Log in to the Telehealth Cart, desktop or laptop with an administrator account.
2. Insert the tConsult Cart software installation disk into the CD-ROM and run “ClientSetup_build_6.x.x.x.exe” to start the Install Shield Wizard.
3. At the Welcome Screen, click on Next.

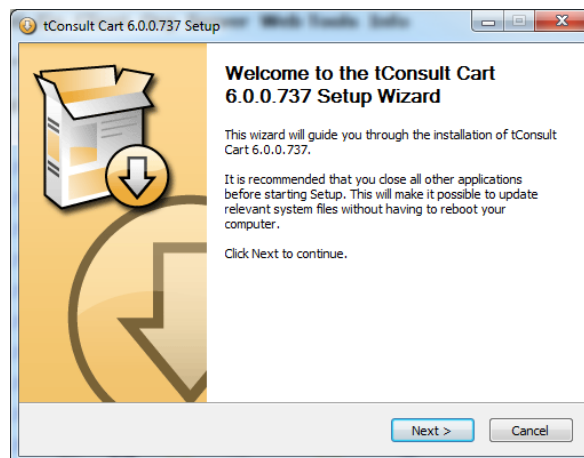


Figure 1 – Welcome Screen to tConsult Cart Software Installation

(Note: All pictures are representative and do not necessarily reflect the actual 6.x version number of the software being installed.)

4. Click on “I Agree” to accept the License Agreement. This Install Shield Wizard will proceed to the install Location. Accept the Default destination folder as shown in Figure 2.

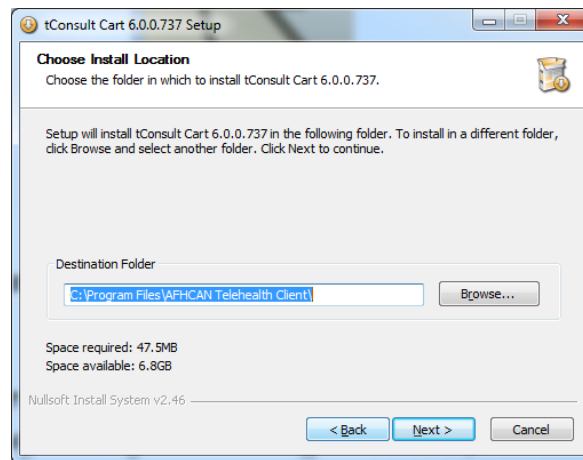


Figure 2 – tConsult Cart Install Location

5. For security reasons, it is highly recommended that the Data be in a separate partition than that of the OS. On a Telehealth cart, the hard drive is partitioned into two drives (C and D). By default the installation will suggest placement of the Data Directory to the D:\drive. If installing on a customers' laptop/desktop with only a C:\drive, accept the Data Directory in that location.

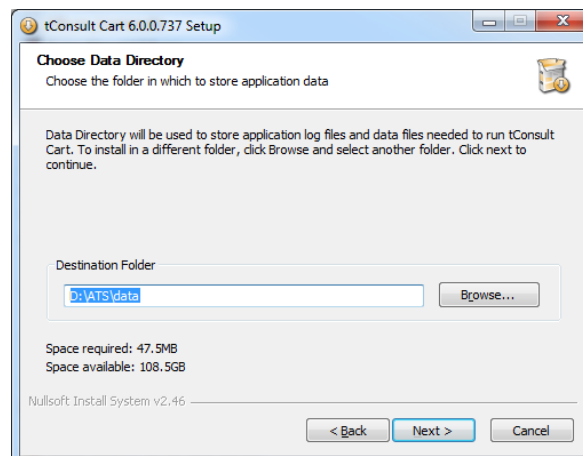


Figure 3 – tConsult Cart Data Directory Location

6. Enter the IP address of the tConsult Server.

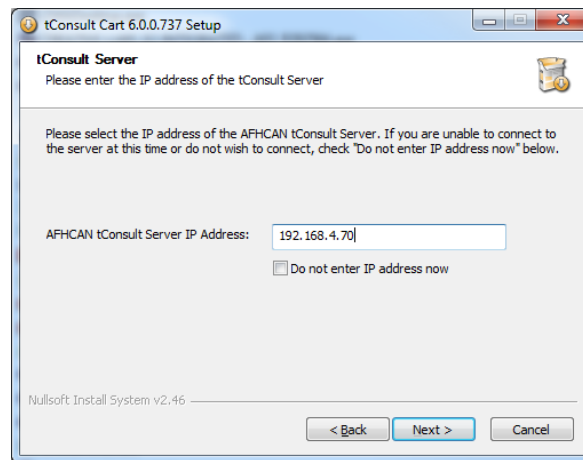


Figure 4 – Entering the IP Address of the tConsult Server

7. Enter the IP Address of the Time Server. If an organization using a Domain Time Server as the Authoritative Time Source, enter the IP address of that server. The tConsult Server may also be an Authoritative Time Source if setup and can be used as well. This will be determined by each organization.

Note: *If the tConsult Server and the tConsult Cart are out of sync greater than 5 minutes, providers will be unable to log in on that host box.*

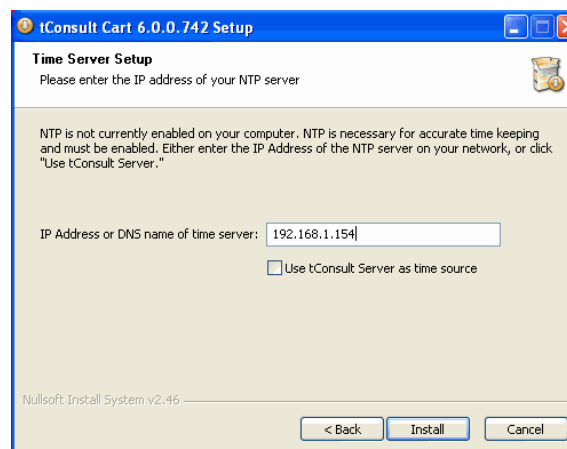


Figure 5 – Entering the IP Address of the Time Server

8. The installation of the Version 6.x.x.x software will commence. While tConsult Cart is installing, several DOS windows will open and close around the install progress box that is seen in Figure 6.

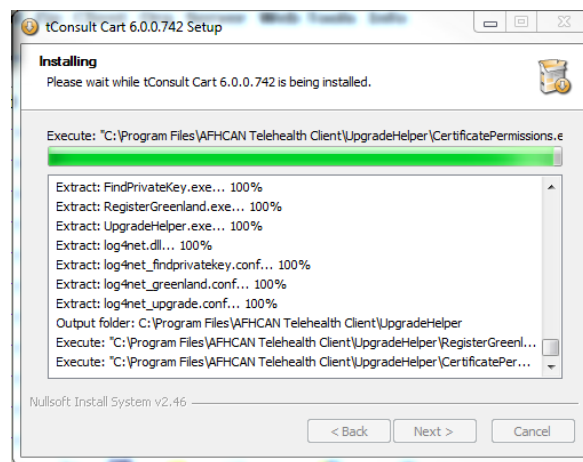


Figure 6 – tConsult Cart Installation

9. Click on Finish when the Setup Wizard has completed.

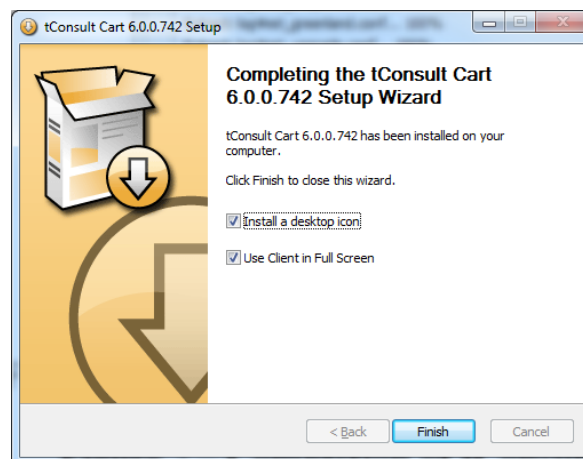


Figure 7 – Completion of tConsult Cart Installation

Peripheral Configuration

Once tConsult Cart software has been installed, it is necessary to configure any attached peripherals within the software setup utility. This section outlines the steps necessary to configure the peripherals for use with the tConsult Cart software.

1. Click on Start |All Programs| tConsult| tConsult Cart Configuration. The “tConsult Cart Configuration” window will open. The software will perform a system check to verify a valid certificate has been installed. Click “Plugins” then click “Add Plugins” for the “select plugin...” window to open as shown in Figure 8.

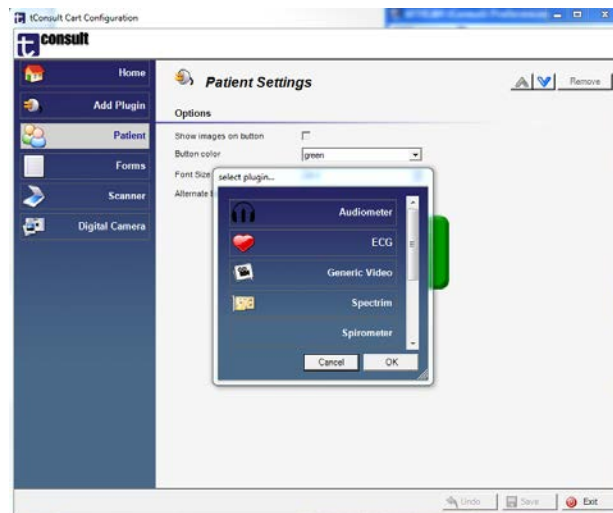


Figure 8 – tConsult Cart Configuration Add Plugin

2. The “select plugin...” page is used to make personalized changes to the client based on what device(s) may be attached to the Telehealth cart, desktop or laptop. Patient, Forms, ECG and Spirometer all offer the same configuration settings and are covered in this example. Only the “Patient Settings” window will be shown, but is representative of the other device configurations.

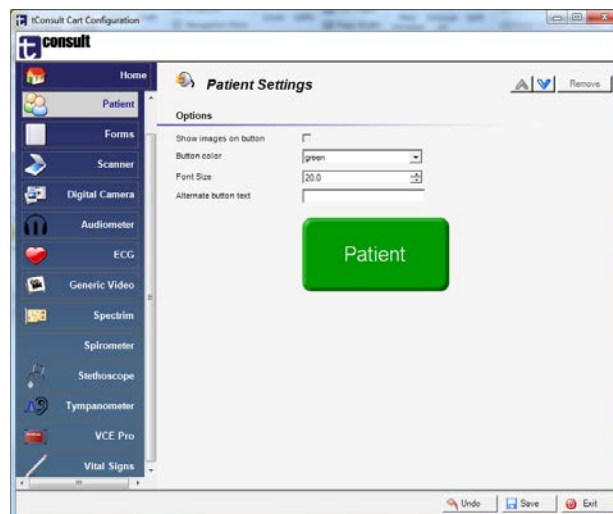


Figure 9 – Configuring Patient Settings

Options:

- a. “Show images on button” – if there is an image available and this checkbox is checked, the image will be displayed to the left of the text.
- b. “Button color” – is used to change the color of the button but is typically left at default.
- c. “Alternate button text” – is used to change the text on the button but is typically left at default.

3. Video Otoscope Configuration
 - a. Click the “Spectrim” Plugin from the “select plugin...” window and click “OK”. The “Spectrim Settings” window will open.
 - b. Enter “Video Otoscope” into the “Alternate Text” box under “Options”.
 - c. Select NTSC as the Video Format under “Extra Settings”.
 - d. Select “SVideo1” as the Source from the dropdown menu under “Extra Settings”.
 - e. Click “Save” to retain configuration settings.
 - f. Complete configuration shown below in Figure 10.

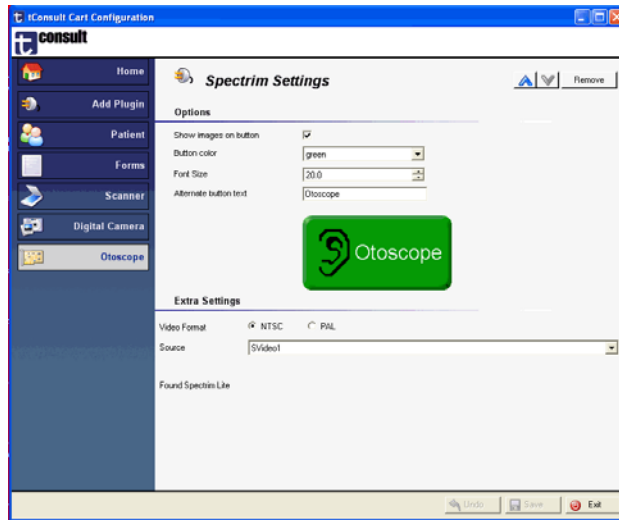


Figure 10 – Configuring Video Otoscope

4. Dental Camera Configuration
 - a. Click the “Spectrim” Plugin from the “select plugin...” window and click “OK”. The “Spectrim Settings” window will open.
 - b. Enter “Dental Camera” into the “Alternate Text” box under “Options”.
 - c. Select “NTSC” as the Video Format under “Extra Settings”.
 - d. Select “Composite” as the Source from the dropdown menu under “Extra Settings”.
 - e. Click “Save” to retain configuration settings.
 - f. Complete configuration shown below in Figure 11.

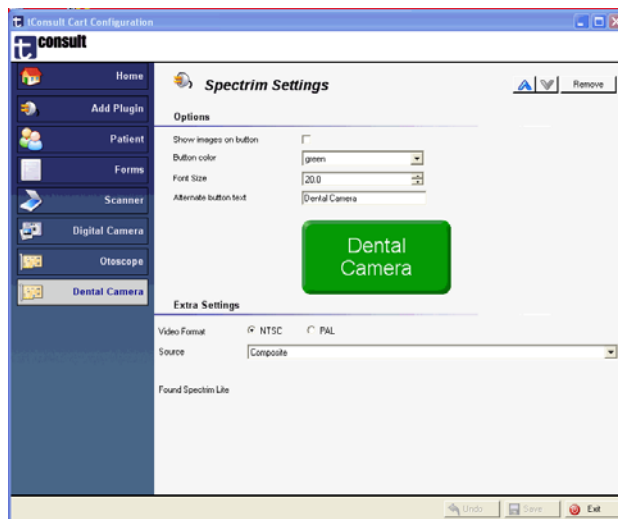


Figure 11 – Configuring Dental Camera

5. Audiometer and Tympanometer Configuration

The Audiometer and Tympanometer offer the same configuration settings and are covered in this example. Only the “Tympanometer Settings” window will be shown, but is representative of the Audiometer configurations.

- a. Click the “Tympanometer” Plugin from the “select plugin...” window and click “OK”. The “Tympanometer Settings” window will open.
- b. By default, the “Ear Scan COM Port” is set to use COM2.
- c. Click “Save” to retain configuration settings.
- d. Complete configuration for the Tympanometer and Audiometer are shown below in Figures 12 and 13.

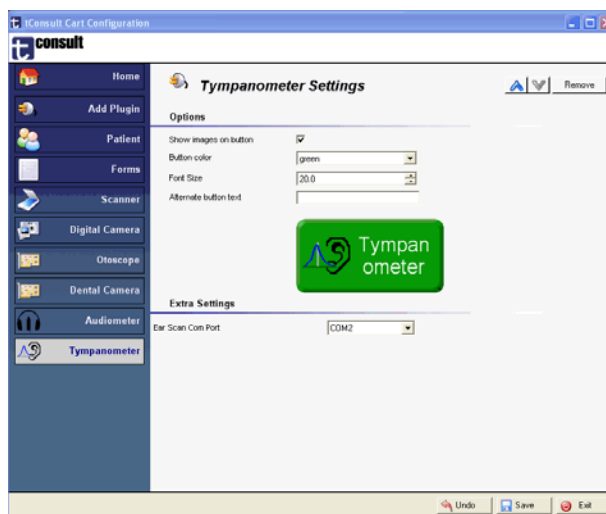


Figure 12 – Configuring Tympanometer

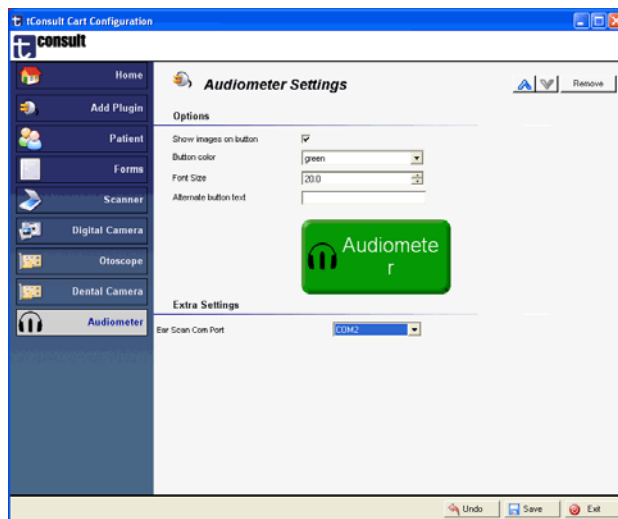


Figure 13 – Configuring Audiometer

6. Scanner Configuration
 - a. Click on the “Scanner” plugin on the left side of the tConsult Cart Configuration Utility and the “Scanner Settings” window will open.
 - b. Select the appropriate driver for your scanner using the dropdown menu under “Extra Settings”. If you have an Epson Model 1640, 4490 or 4990 we recommend using the Twain 5 driver.
 - c. To test the driver, place a page to be scanned into the scanner and click on the “Test” link located to the right of the “Scanner” drop down menu. A thumbnail image will appear the box under the “Test” link.
 - d. Click “Save” to retain configuration settings
 - e. Complete configuration for the Scanner is shown below in Figure 14.

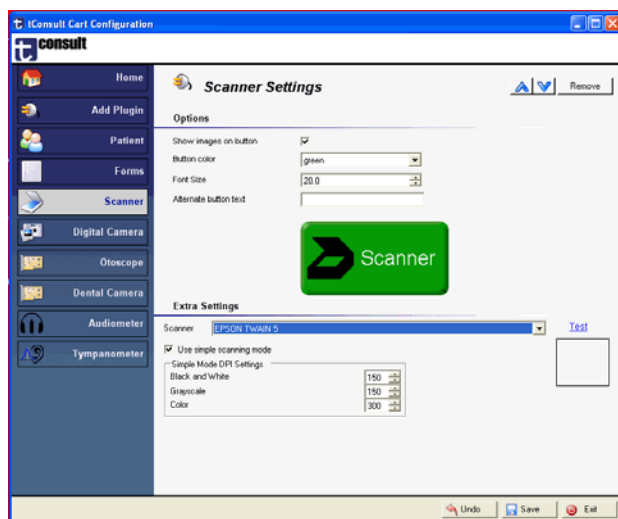


Figure 14 – Configuring Scanner

7. Stethoscope Configuration
 - a. Click on the “Stethoscope” plugin on the left side of the tConsult Cart Configuration Utility and the “Stethoscope Settings” window will open.

- b. Select the appropriate device using “Device” drop down. For USB Stethoscopes select “TRUSB” for serial Stethoscopes select “TR1EF”.
- c. If using a serial Stethoscope, the appropriate COM port will need to be selected from the “Port” drop down menu under Extra Settings.
- d. Click “Save” to retain configuration settings.
- e. Complete configuration for the USB Stethoscope is shown below in Figure 15.

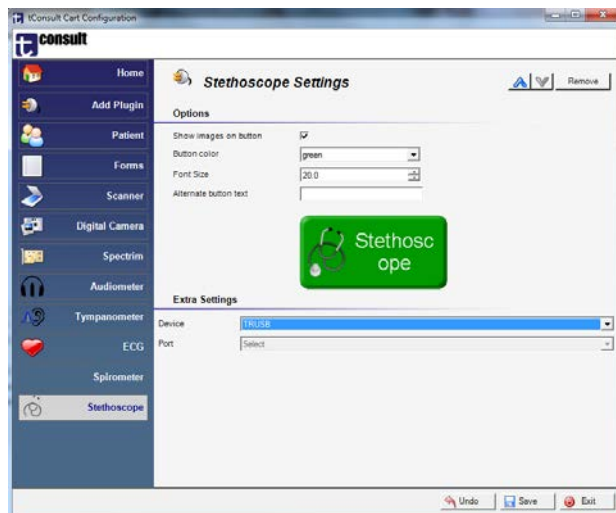


Figure 15 – Configuring Stethoscope

8. Generic Video Configuration
 - a. Click the “Generic Video” Plugin from the “select plugin...” window and click “OK”. The “Generic Video Settings” window will open.
 - b. If there is a Generic Video device detected it will be listed in the “Video Device” drop down box under “Extra Settings”. Select the appropriate device. The video output will display in the black box located under the “Video Size” drop down menu.
 - c. The “Video Size” drop down is used to adjust resolution.
 - d. Click “Save” to retain configuration settings.
 - e. Complete configuration for Generic Video is shown below in Figure 16.

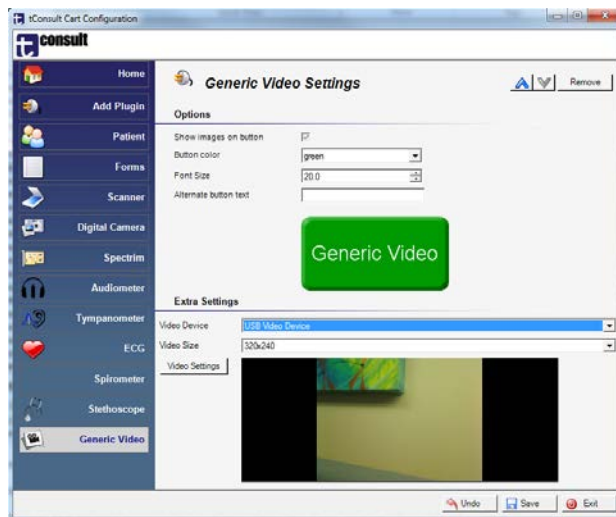


Figure 16 – Configuring Generic Video

9. Digital Camera Configuration
 - a. There is no configuration required for the digital camera
 - b. Camera must be on and detected by the PC to work with tConsult Software.

End of procedure.