

MTS Viva Quick Guide CS15

1. Start Up.

-Turn on Smart Antenna

-Turn on CS15 Controller (may take a moment as boots and open Viva program)...Press F1 (Next) if needed until getting to Main Menu (below):



-When reaching Main Menu – look for the unit to get “Connected to Internet and an initial position (no yellow yield sign over globe and the “steering wheel in upper left corner) (See next picture).

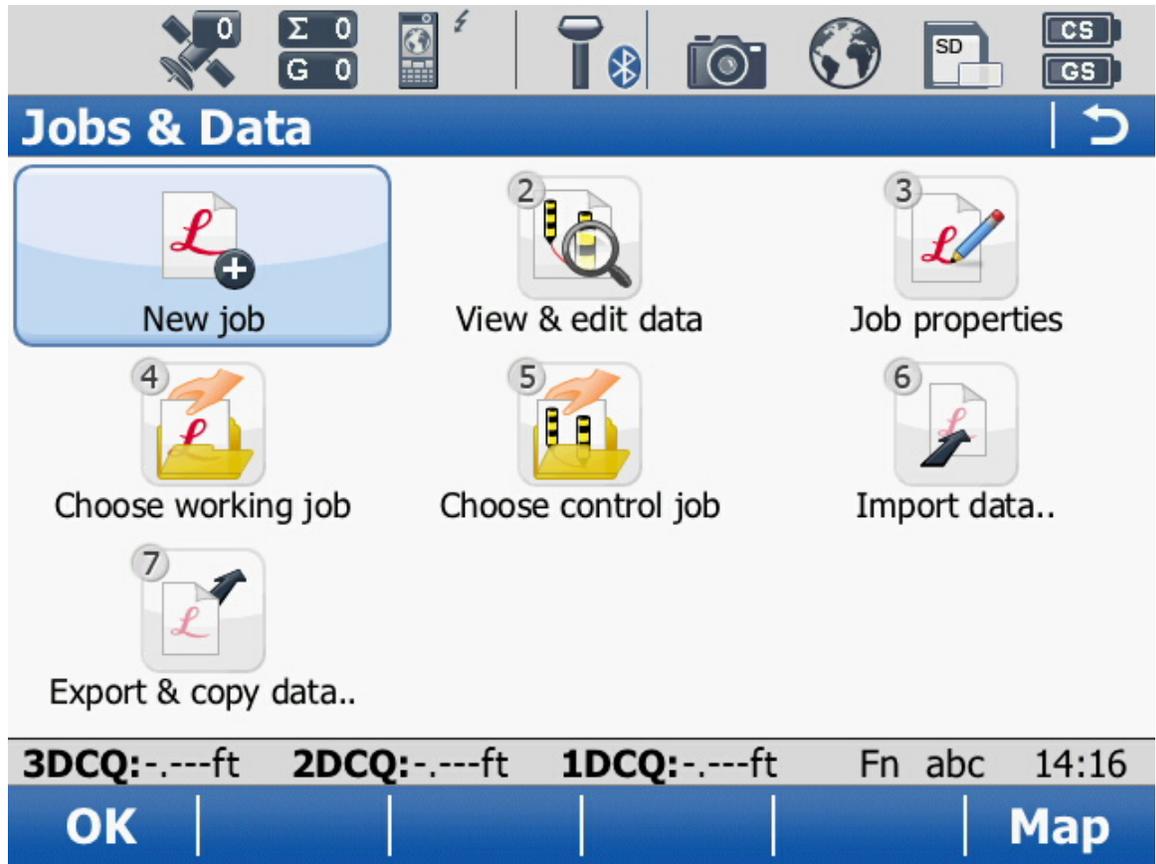
The image shows a software interface for a surveying application. At the top, there is a toolbar with icons for a crosshair, a satellite, a calculator (Σ 5, G 5), a mobile phone, a flashlight, a camera, a globe, a network diagram, and battery status (CS, GS). Below the toolbar is a blue header bar with the text "Survey: Default" and a back arrow icon. Underneath is a navigation bar with three tabs: "Survey", "Code", and "Map". The main area contains several data entry fields:

- Point ID:** A blue input field containing "-----".
- Code:** A white input field containing "-----".
- Linework:** A white dropdown menu containing "-----".
- Antenna height:** A white input field containing "6.5617" followed by "ft".
- 2D CQ:** A white input field containing "24.4834ft".

At the bottom, there is a status bar with the text "3DCQ:34.3ft 2DCQ:24.5ft 1DCQ:24.0ft Fn abc 14:26". Below the status bar is a blue navigation bar with four buttons: "Meas", "Near", "HdnPt..", and "Page".

2. Create Job.

- In Main Menu, press/tap 2 Jobs/Data
- New Job;



In General Tab, Enter Name and job details, then go to the Coord Sys tab to select desired Coordinate System. Press F1 Store to create job and return to Main Menu.

New Job | ↶

General | Codelist | CAD files | Coord system | Averaging

Name:

Description:

Creator:

Device:

3DCQ:--.---ft 2DCQ:--.---ft 1DCQ:--.---ft Fn abc 14:16

Store | | | | **Page**

3. Data Collection.

-From Main Menu press 1 Go To Work, then 1 Survey to get to basic data collection screen (below);

Survey: Default ↩		
Survey	Code	Map
Point ID:	<input type="text" value="-----"/>	
Code:	<input type="text" value="-----"/>	
Linework:	<input type="text" value="-----"/>	
Antenna height:	<input type="text" value="6.5617"/>	ft
2D CQ:	24.4834ft	
3DCQ:	2DCQ:	1DCQ:
34.3ft	24.5ft	24.0ft
Fn abc		14:26
Meas	Near	HdnPt..
		Page

-Highlight Pt ID and enter desired starting point #

CONNECT TO BASE STN:

-*press (FNC) then F3 (CONNECT)*, if successful, status line should indicate “Successfully Connected” and the arrow on top status screen should begin to flash downward.

-Error qualities should begin to come down to float solution (1-2’), and then when you see two checks signs above the position indicator the unit should initialize to fine mode. (Below):

The screenshot displays a surveying software interface. At the top, there is a toolbar with icons for navigation, data entry, and system status. Below the toolbar is a blue header bar labeled "Survey: Default". Underneath, there are three tabs: "Survey", "Code", and "Map". The main area contains several data entry fields:

- Point ID:** 1
- Code:** PK
- Linework:** A dropdown menu showing a dashed line symbol.
- Antenna height:** 6.5617 ft
- RTK positions:** 15
- Msd PP obs:** 4
- 2D CQ:** 0.0427ft

At the bottom, there is a status bar showing "3DCQ:0.07ft", "2DCQ:0.04ft", "1DCQ:0.06ft", "Fn ABC", and "14:28". Below the status bar are two large blue buttons: "Stop" and "Page".

-Highlight Code field and enter desired code.

-Level over desired point and press OK key to take observation. The RTK positions counter will begin climbing, of raw data logging then PP obs counter will climb at 5 or 15 second interval.

Then press F1 to store point if the desired accuracy and time averaging is met. Point ID should increment and you can continue observing more points.

4. **Reviewing Data:** Press the polygon and area symbol in upper right corner of screen to view point list. Highlight point number desired and press F3 Edit
5. **Check Current Position:** Press the plus sign in upper left corner and go to View Current Position
6. **Changing Servers/Networks:** Press the plus sign in upper left corner and go to "Server/Mountpoint", and choose the desired Network.