X91 with LandStar DCI (Data Collector Internet) Mode

Prerequisites:

Hardware: CHC X91 Rover Kit, Controller Kit

Software: SurvCE.

Static Mode:

Normally the default mode for a new receiver is RTK mode. To switch receiver between Static/ Real-time-Kinematic please holding [**Switch Button**] until record LED is off

RTK--DCI Mode:

Controller Setting		**1.** Insert the SIM card into Controller. **2**. Log Controller into Internet Confirm **Phone Function** has already being activated before doing the connection. If not, to active it by click **Phone/Bluetooth icon** on the desktop, and click **Phone** button. [**Start**]→[**Settings**] →[**Connections**] Tab→[**Connections**] →[**Add a New Modem Connection**] →Input a name and select the modem[**Cellular Line (GPRS)**] →[**Next**] →Input Access Point Name →[**Next**] →Input [**User name**], [**Password**] and [**Domain**] if provided by network administrator→[**Finish**] →[**Manage Existing Connections**] →long press the existing name and select [**Connect**] from the pop out list, check the **signal statement** icon on the top right of the screen, it will change when the connection succeeded.
Rover Installation and Setting		**1.** Install the Rover receiver like the figure: Screw the rover receiver on the pole, and put the controller adapter in the right place like the figure. **2.** Power the Receiver On and Connect it to Controller by Bluetooth [**Start**] → [**Settings**] →[**Connections**]Tab → [**Connections**] → [**Bluetooth**]. Tap Bluetooth icon: [**Devices**] →[**Add new device**] →Highlight the receiver name (**GNSS-serial#**)→[**next**] →for first use, you should input Passkey "**1234**" or "**0000**"by click the keyboard in the middle bottom of the screen to open the Virtual Keyboard→[√] **Serial Port**→[**Save**] [**Com Ports**] Tab: in this page you may find one option or more, if there are more than one options, delete the existing device by long pressing the device name and choose [**delete**] →[**New outgoing port**] →[**GNSS-serial#**]→[**next**] →**Com 8**; untick[√] [**Secure connection**] →[**Finish**] →[**OK**]. **3.** Establish New Job [**Start**]→[**SurvCE**]→you may be asked to register the software, choose [**No**] if you do not want register right now→ [**Continue Last Job**] or [**Select New/Existing Job**]→[**Input new job name**]→[**Continue without connecting**] **4.** Set the Rover in **SurvCE.** [**Start**] →[**SurvCE**] [**Equip**] Tab → [**GPS Rover**]. 1. [**Current**] Tab → [**Manufacturer**] → [**CHC**] → [**Model**] →

		[**X91E 1918**] 2. [**Comms**] Tab → [**Type**] →[**Bluetooth**] → [**Device**] → [**Generic**] → [**Port**] → [**COM 8**] 3. [**Receiver**] Tab → → [**Manufacturer**] → [**CHC**] → [**Part Number**] → [**X91**] → → [**Vertical**]/[**Slant**] depending on the way you measured the height → [**Antenna Height**] → 4. Click to connect the Receiver to Controller. 5. [**RTK**] Tab → [**Device**] → [**Data Collector Internet**] → →Check the Internet Connection Statement→ [**Network**] → [**NTRIP**] → →To configure the details of CORS center including **IP Address**, **Port Number**, **User Name** and **Password** → → [**Message Type**] → 6. Check the solution type :[**Store Points**] → check the status: **Autonomous** → **float** → **fix**

Carrying out Survey Project (LandStar)		<mark>**1.** Measure Points</mark>
		  [**Survey**] →[**Store Points**]
		<mark>**2.** Stakeout Points</mark>
		  [**Survey**] →[**Stake Points**]
		<mark>**3.** Any other functions</mark>
		  … …

Last reviewed by Xiaobin 04 Jun 2012