

Setting up a Job

Existing job: Select <Func> | Job on the softscreen. Use the arrow keys to position the cursor over the job name. Press the hardkeys <CTRL> + <Enter>.

New job: Select <Func> | Job on the softscreen. Type in the new name and press the hardkeys <New> | <Enter>.

CONFIGURE NOW!

Setups available when creating a job

- Scale factor
- Point ID Format
- Record elev?
- Atmos Corr
- C+R Corr
- Sea level corr
- XFM File (if present, for GPS)
- Plane Curvature

Things to check before starting

Starting autopoint number*	<Func> Configure Reading
Combine F1/F2	<Func> Configure Reading
Tracking	<Func> Configure Reading
Battery	<Func> Hardware
Code list on/off	<Func> Configure Reading
Instruments	<Func> Instrument
Prism constant	<Func> Instrument
Time/date set, time stamping	<Func> Date + Time
Topo view stored format	<Func> Configure Reading
Units	<Func> Units
Tolerances	<Func> Tolerances
Code fields	<Func> Configure Reading
Info blocks	<Func> Configure Reading
Reciprocal calculation	<Func> Configure Reading
Instrument type	<Func> Configure Reading
Active distance readings	<Func> Configure Reading

*Only seen if a Job exists

General information for operating your SDR

- Turn on: press the hardkey <I/O Clear>.
- Turn off: press the hardkey <I/O Clear>.
- Review data: press the hardkeys <CTRL> + <V> or <Enter> to zoom in on details.
- Write a note into the database of the current job: press the <CTRL> + <O> hardkeys. If this hardkey is pressed when reviewing data, the note is entered prior to the highlighted record.
- Use the calculator: press the <CTRL> + <K> hardkeys.
- Enter +, x, ÷, - : press the hardkeys <CTRL> + key desired (-, +, x, ÷).
- Turn the backsight on or off: press the following hardkeys: >.
- Adjust the screen contrast: press the > hardkeys to make the screen darker. To make the screen lighter, press the hardkeys .
- Go to the top of a former list: press the hardkeys + <HOME>.
- Go to the end of a former list: press the hardkeys + <END>.
- Remove the task bar to maximize screen usage: go to the file explorer and select Control Panel. Enter the supervisory mode by selecting Style | Supervisor | Password. Type in the password (YIWT) and select Shell | Misc. Deselect the Show task bar option.
- Active Sync is needed to load or copy to a PC outside of the level 5 software: tap the <F1> hardkey to link. By default when the program is installed the autoconnect setting is turned off on your Jett. When downloading via ProLINK, the ActiveSync must be disabled from the Comm Port to allow ProLINK to use the Comm Port.
- In the *Instrument setup* and *Communications* screens on the Jett the Bottom Port setting on the Jett is the port setting Com1).

Topographic survey instructions

Select your desired job name. The default is current job. Press the softkeys <Surv> | Topography. You will see the following fields on your softscreen:

1. *Stn* = ID of instrument set up. Theo ht (required information field). North, East, Elv (optional). CD (optional).
2. *BS pt* = ID of point being used as backsight.
3. Select Key in azimuth to BS or Key in coords of BS on your softscreen. An azimuth is required if Stn coordinates are not entered in step 1.
4. Connect to instrument. Press the <ALT> hardkey to take the BS observation. Enter the target height (instrument must be switched on and pointed at the target).
5. If needed, you can change the Stn number, the BS pt number, or take the previous observation again; otherwise, take additional observations to continue the survey.
6. Enter codes as needed. The last code repeats unless it is overwritten. If keys pressed for the code match the feature code list entries, the list is displayed with the matched code highlighted. If the highlighted code is correct, press the <Enter> hardkey to copy it into the code field on the *Measurement* screen.
7. Press the <CTRL> + <Enter> hardkeys to store data. You can also press the <ALT> hardkeys to store your current observation before beginning a new observation. If you wish to cancel a reading, press <I/O Clear>.
8. To begin a new setup, change your Stn and BS pt fields and continue from step 3.

Setting out from coordinates instructions

Select your job name. The default is current job. Press the softkeys <COGO> | Setout coords.

1. Confirm orientation as you did previously in steps 1 through 4 in Topographic survey instructions.

- Enter the points to be set out. Select single point entry or enter a range of points. Press the <All> softkey for all of your points to be put on the list. If the points you enter are not in the SDR database, you will be prompted for Northing, Easting, and Elevation.
- When finished, the Points list appears. Select your point with your cursor. Press the hardkeys <CTRL> Enter>.
- Aim your instrument when prompted. Position your prism pole along your line of sight at an approximate distance. Press the hardkey <ALT>
- If the target height is correct, press the hardkey <Enter>.
- The next screen tells how to move your rod to an estimated position. If new position is not required, press the <Enter> hardkey and go to step 7; otherwise, return to step 4.
- Set your cut/fill on the softscreen. When satisfied, press the hardkey <Enter>.
- Answer question Store result? on the softscreen. If you select Yes on the softscreen, the ID of the point you set out is automatically entered into the CD field.
- Select the next point to set out. Previously set points will not appear on your Setting out list.
- Press the <STORE> softkey at any time to quickly store your result and return to the Setting out list.

Leveling Instructions

Select your desired job name. Press the softkeys <LEVEL> | Leveling.

- Instr Setup* = ID of the instrument setup. If this is a new leveling job, you will see this field on your softscreen.
- BS pt* = ID of the point being used as a backsight. If this is a new leveling job, enter your backsight point name.

- Connect to instrument if applicable. Press the hardkey <ALT>. Type in an elevation. Take your observation to the backsight point. Press the hardkey <Enter> to accept.
- Press <ALT> hardkey to take your elevation readings. Enter your codes as needed. The last code repeats until changed. Press the hardkeys <CTRL> + <Enter> to accept the reading, or press the hardkeys <I/O Clear> | <YES> to discard.
- Press the hardkeys <CTRL> + <Enter> while in the *Take Reading* screen to move the instrument. Instr Setup increases by one. Enter a backsight point ID. Press the hardkey <ALT> to take a backsight. Press the hardkeys <CTRL> + <Enter> to complete the instrument move.

Managing feature code list

- Name your new feature code list: Press the softkeys <Func> | Feature code list | <LISTS> | <ADD> and type in the new name.
- Select an existing feature code list: Press the softkeys <Func> | Feature code list | <LISTS> and position your cursor over the list name. Press <Enter> to confirm your selection.
- Add a feature code to the currently selected list: Press the softkeys <Func> | Feature code list / ADD> and type in your new code. Press <Enter> to confirm your selection.

This Quick Reference Card gives you brief instructions for the most typical surveying operations. Always refer to the *Reference Manual* and *Getting Started Guide* for information not on this card.

SDR Level 5 on Jett CE

In this card . . .

< >	represents a keystroke of a hardkey or softkey.
Bold text	represents a menu option, screen prompt or message.
<Read>	refers to taking a reading On the Jett, the <ALT> key is used. You may also use <CTRL> + R
Softkeys	refers to 5 function keys. Labels for these keys are at the bottom of the softscreen.
Hardkeys	refers to the keys on the Jett keypad below the screen.
<i>Bold italic</i>	represents a screen name (For Example, <i>Instrument</i>).
	represents an SDR operation that requires a sequence of keystrokes or menu selections to complete the named operation (For Example, <Func> <Job>).
+	represents an SDR operation that requires two hardkeys to be pressed in the same keystroke to execute.

Jett CE Hardkey Shortcuts

Calculator	<Ctrl> + <K>
Open List Box	<Ctrl> + <O>
Configuration Manager	<Ctrl> + <U>
Graphics Nav Screen	<Ctrl> + <P>
Graphics Plan View	<Ctrl> + <W>
View database	<Ctrl> + <V>
Okay	<Ctrl> + <Enter>
Enter Note Record	<Ctrl> + <O>
Initiate a Reading	<ALT>or<Ctrl> + <R>