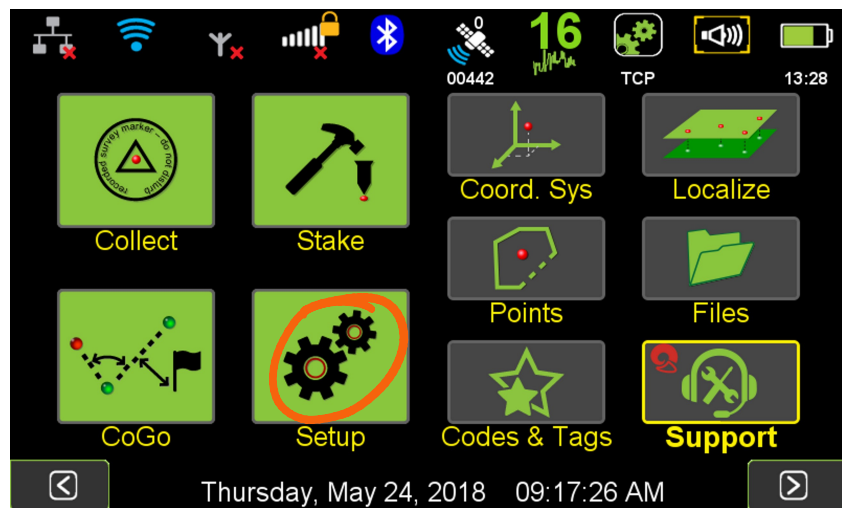


LS BASE & ROVER SETUP PROCEDURE

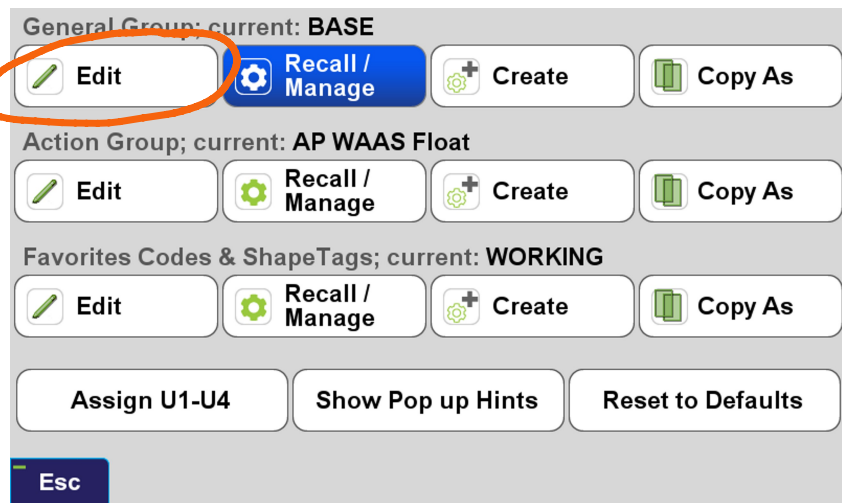
Thursday, May 24, 2018 9:37 AM

* BASE SET-UP



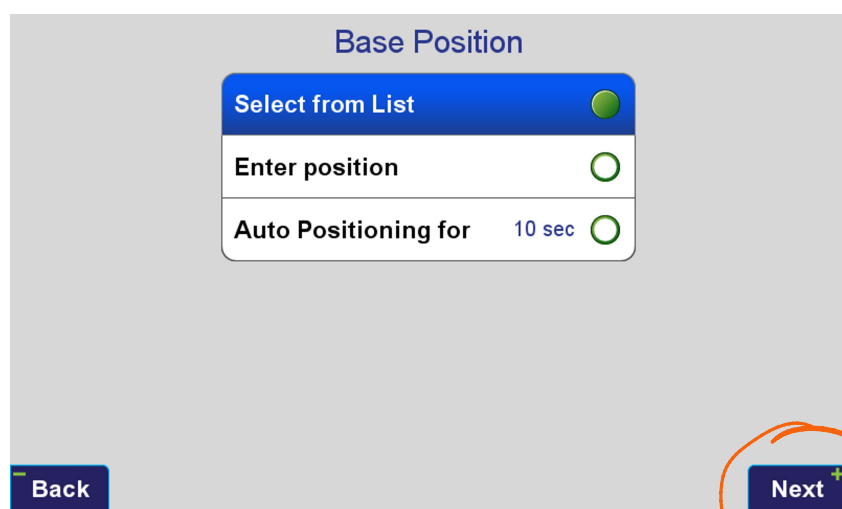
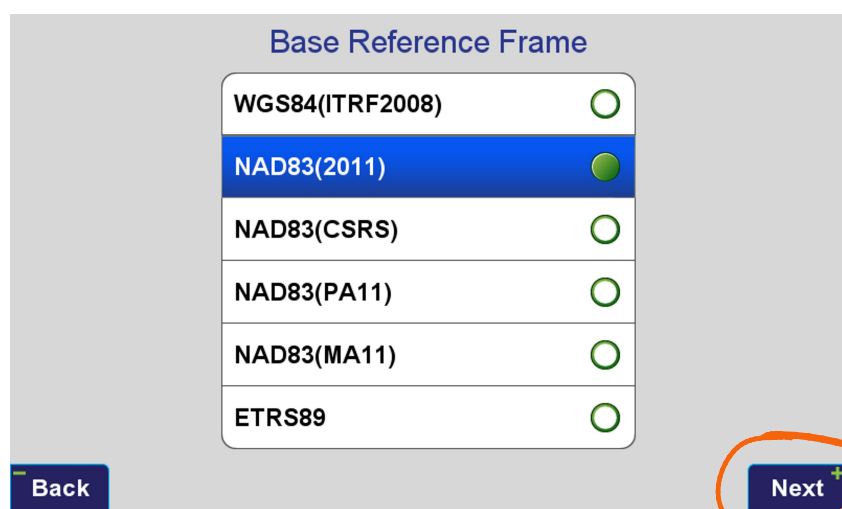
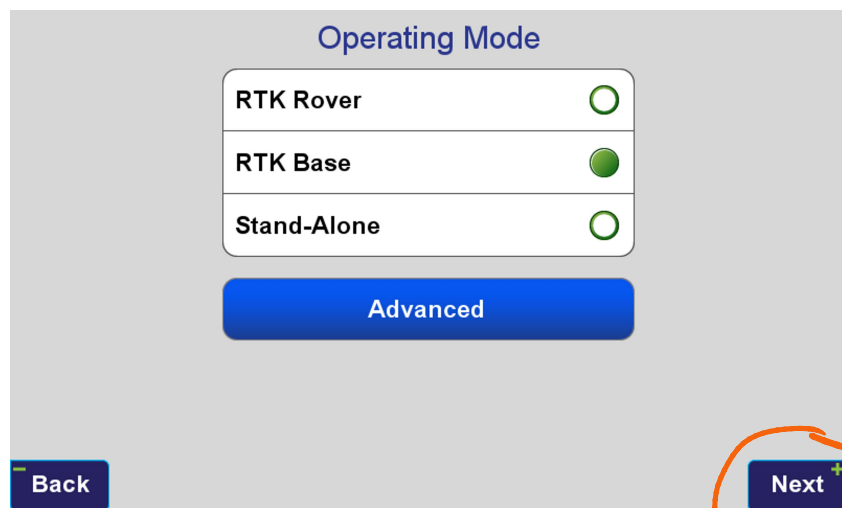
LS SHOULD BE SET-UP
& PLUMBED & READY TO START

TAP SETUP FROM HOME SCREEN



RECALL THE BASE PROFILE &
THE WAAS OR STANDALONE ACTION
PROFILE

TAP EDIT UNDER GENERAL GROUP



BASE POINT CAN BE SELECTED
FROM LIST OR ENTERED. AUTO-
POSITIONING DOES NOT CURRENTLY WORK.

Select From List

AP2PP	Select	Name
AP2PP		

Back Next

SELECT POINT - IF CORRECT ELEVATIONS ARE DESIRED THE ELEVATION OF THE POINT NEEDS TO BE ADJUSTED TO ACCOUNT FOR THE HEIGHT OF ROD AND THE APC OFFSET.

Base Position

Select from List ☐

Enter position ☒

Auto Positioning for 10 sec ☐

Back Next

POSITION CAN ALSO BE ENTERED

Enter Position

North	612146.095 ft
East	1203644.844 ft
Height	1060.892 ft

Coordinate System: NAD83(2011) / North Carolina / NAVD 88 2018-05-03 08.42.39.000 001

Save as new point No

Back Next

MONUMENT ELEVATION - TAP IN BOX TO EDIT

INSURE CORRECT SYSTEM

Enter H: +1060.892 USFeet

Change Units

MS MR ☒

Esc Clr < +/- 0 > X OK

ADJUST ELEVATION TO APC OF LS

TAP CALCULATOR

+1060.892ft + 5.09ft - 0.375 ft

= +1065.607ft

Change Units + ☒

MS MR + ☒

Result MS

Esc Clr < +/- 0 > X OK

ELEV. MON + HEIGHT ROD - APC = ELEV APC

TAP OK

Enter Position

North	612146.095 ft
East	1203644.844 ft
Height	1065.607 ft

Coordinate System: NAD83(2011) / North Carolina / NAVD 88 2018-05-03 08.42.39.000 001

Save as new point No

Back Next

WE NOW HAVE A POINT AT THE APL TO BROADCAST FROM.

RTK Corrections

UHF	<input type="radio"/>
TCP Server	<input checked="" type="radio"/>

Back Next

UHF SETTINGS WILL BE DIFFERENT FROM THE FOLLOWING

TCP Server

IP Address	192.168.0.100	Ethernet	<input checked="" type="radio"/>
TCP Port	8002	WiFi	<input type="radio"/>
Password		Cellular	<input type="radio"/>

Back Next

VARIES BY USER

SET PASSWORD TO Javad

Transmit Format

RTCM 3.0 MSM4	<input type="radio"/>	RTCM 3.0 Min	<input checked="" type="radio"/>
RTCM 3.0 Full	<input type="radio"/>	RTCM 3.0 Full+Eph	<input type="radio"/>
RTCM 2.x Full	<input type="radio"/>	RTCM 2.x Corr	<input type="radio"/>
JPS Full	<input type="radio"/>	JPS Min	<input type="radio"/>
CMR	<input type="radio"/>	CMR+	<input type="radio"/>
DGPS Full	<input type="radio"/>	DGPS Part	<input type="radio"/>

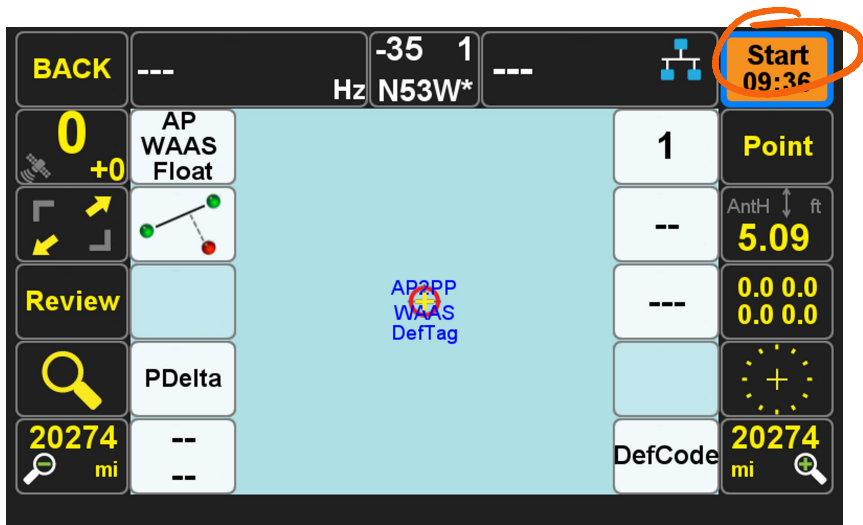
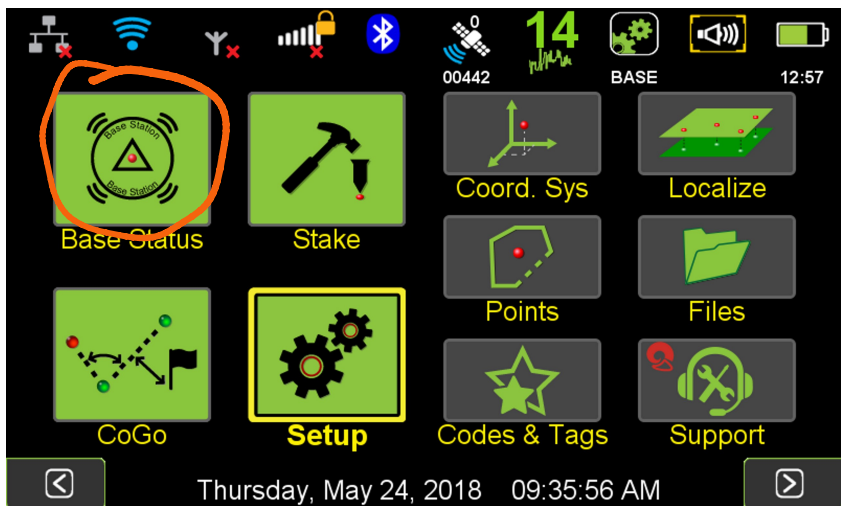
Back Next

Transmit Period

0.2 Sec	<input type="radio"/>	0.5 Sec	<input type="radio"/>	1 Sec	<input checked="" type="radio"/>	2 Sec	<input type="radio"/>
5 Sec	<input type="radio"/>	10 Sec	<input type="radio"/>	15 Sec	<input type="radio"/>	20 Sec	<input type="radio"/>
		30 Sec	<input type="radio"/>				

Back Next

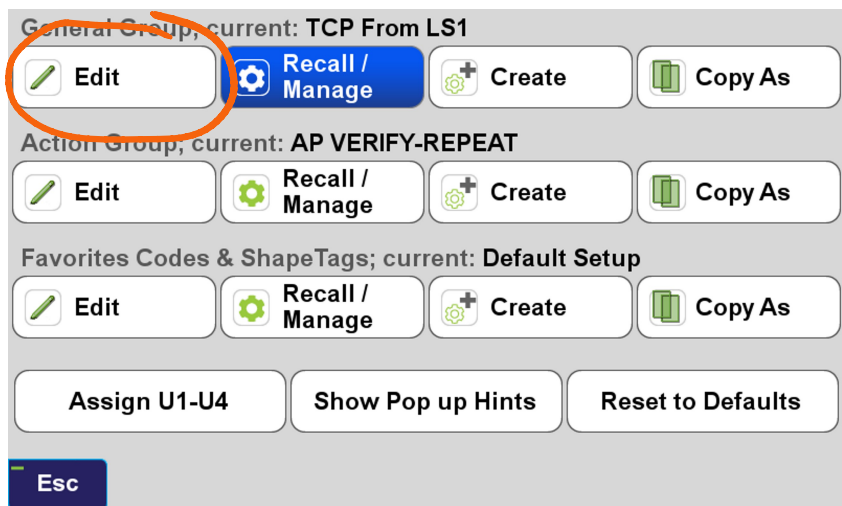
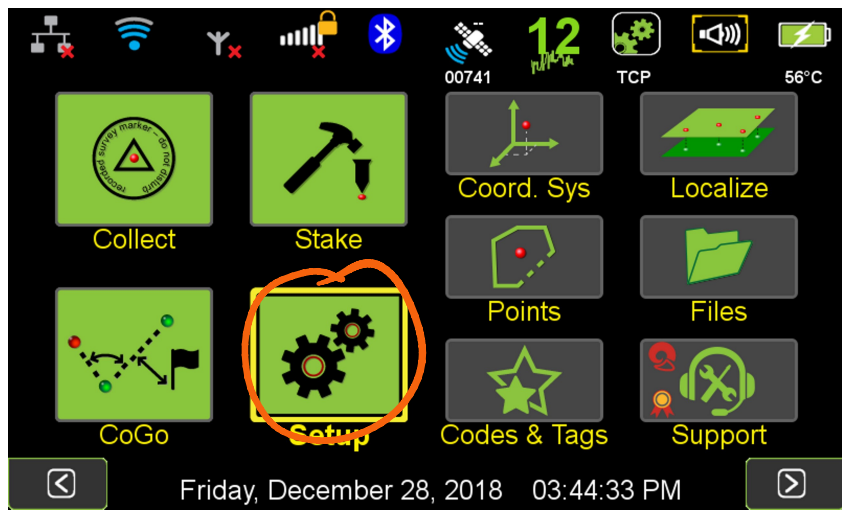
Done!



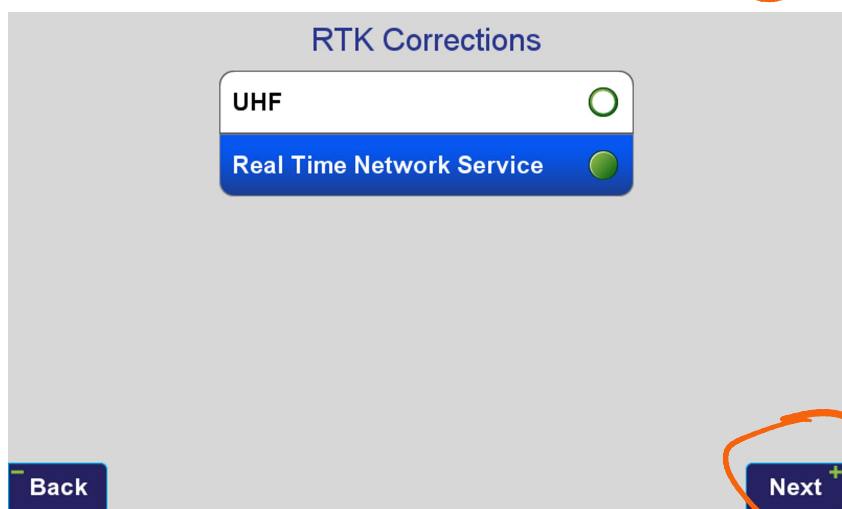
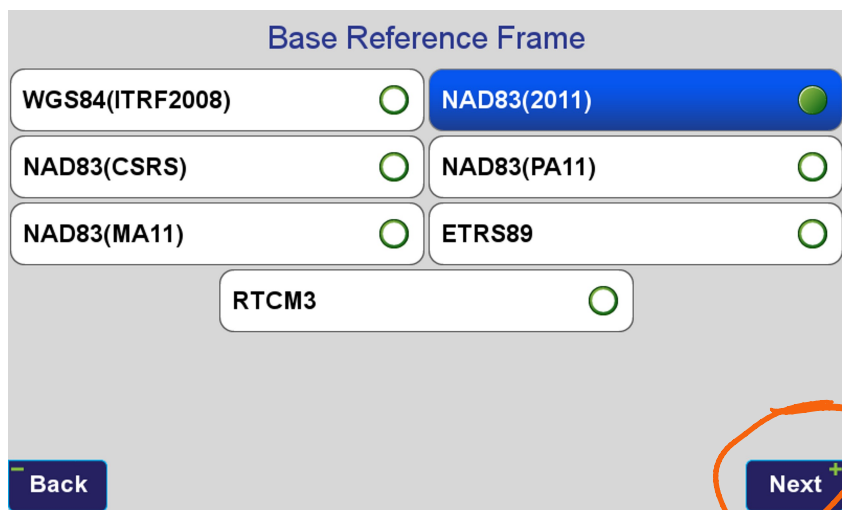
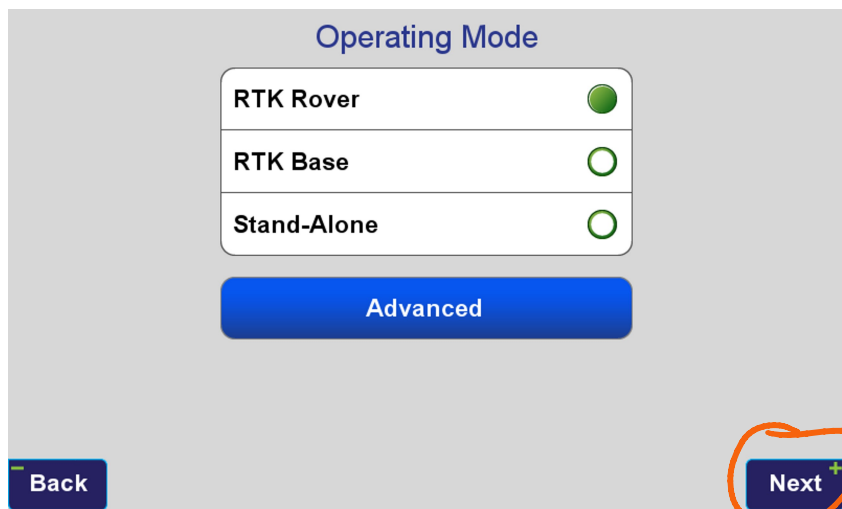
Go To Collect Screen +
START POINT

AFTER SURVEY BE SURE TO
RETURN TO BASE AND STORE
THE POINT FOR PROCESSING.

* ROVER SET-UP



EDIT GENERAL GROUP
Profile IF CURRENT
RECALL IF NOT CURRENT



Back

Next

RTN APN

TCP From LS(RTCM 3.0,TCP Client,WiFi,CONNECTED)

SelectNewEditDelete

APN(RTCM 3.0,NTRIP Client,WiFi,OFF)

NCGS(RTCM 3.0,NTRIP Client,WiFi,OFF)

TCP(RTCM 3.0,TCP Client,WiFi,OFF)

TCP From LS(RTCM 3.0,TCP Client,WiFi...

Back

Next

SELECT APN FOR TCP FROM LS

MS

TCP From LS

MR

NCGS

1

@2

#3

\$4

%5

*6

(7

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-9

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OK

APN Protocol

NTRIP Client

TCP Client

Back

Next

RTN TCP Client

Host Name166.166.26.91

TCP Port8002

UsernameJavad

PasswordJavad

NMEA GGA☐

Known Base☐

Back

Next

STATIC IP OF JETPACK AT BASE

Receive Format

RTCM 3.0☒

RTCM 2.x☐

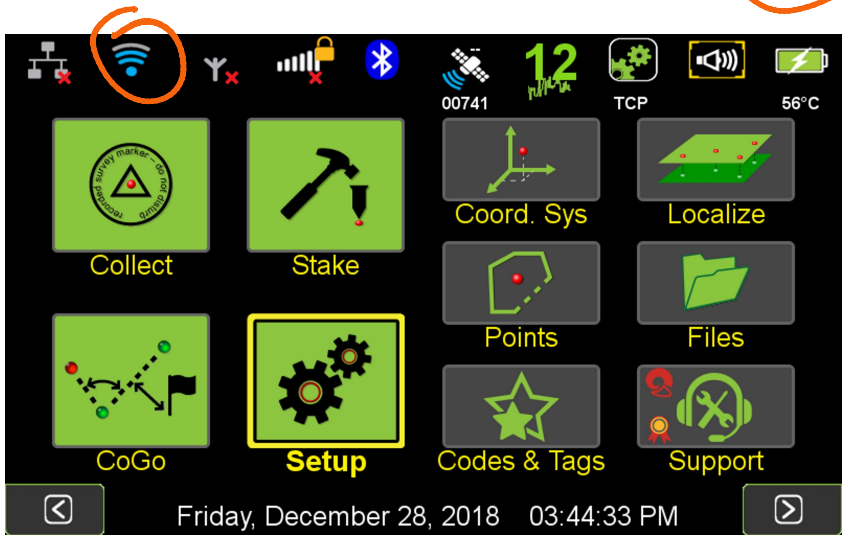
JPS☐

CMR/CMR+☐

RTCM 2.x (DGPS)☐

Back

Next



WiFi			
Access Point	TP-LINK_7204	RTN Status	CONNECTED
MAC Address	c0:25:e9:e6:72:04	APN	TCP From LS
Auth. Mode	WPA-PSK	APN Protocol	TCP Client
Signal Quality	Excellent	IP Address	166.166.26.91
Wlan State	Online	TCP Port	8002
IP Address	192.168.0.120	Mountpoint	--
Subnet Mask	255.255.255.0	GGA	Disabled
Default Gateway	192.168.0.1	Data	RTCM 3.0
DNS1	192.168.0.1	St. ID, Distance	N/A, N/A
DNS2	0.0.0.0	LQ, Delay	--, --
		Rate, Latency	N/A, 0.0 sec
		Received, Lost	--, 0
		Internet access	YES

Esc Networks > RTN > Configuration >

WILL DISPLAY
BASE ID + DISTANCE
WHEN CORRECTIONS ARE
RELIEVED