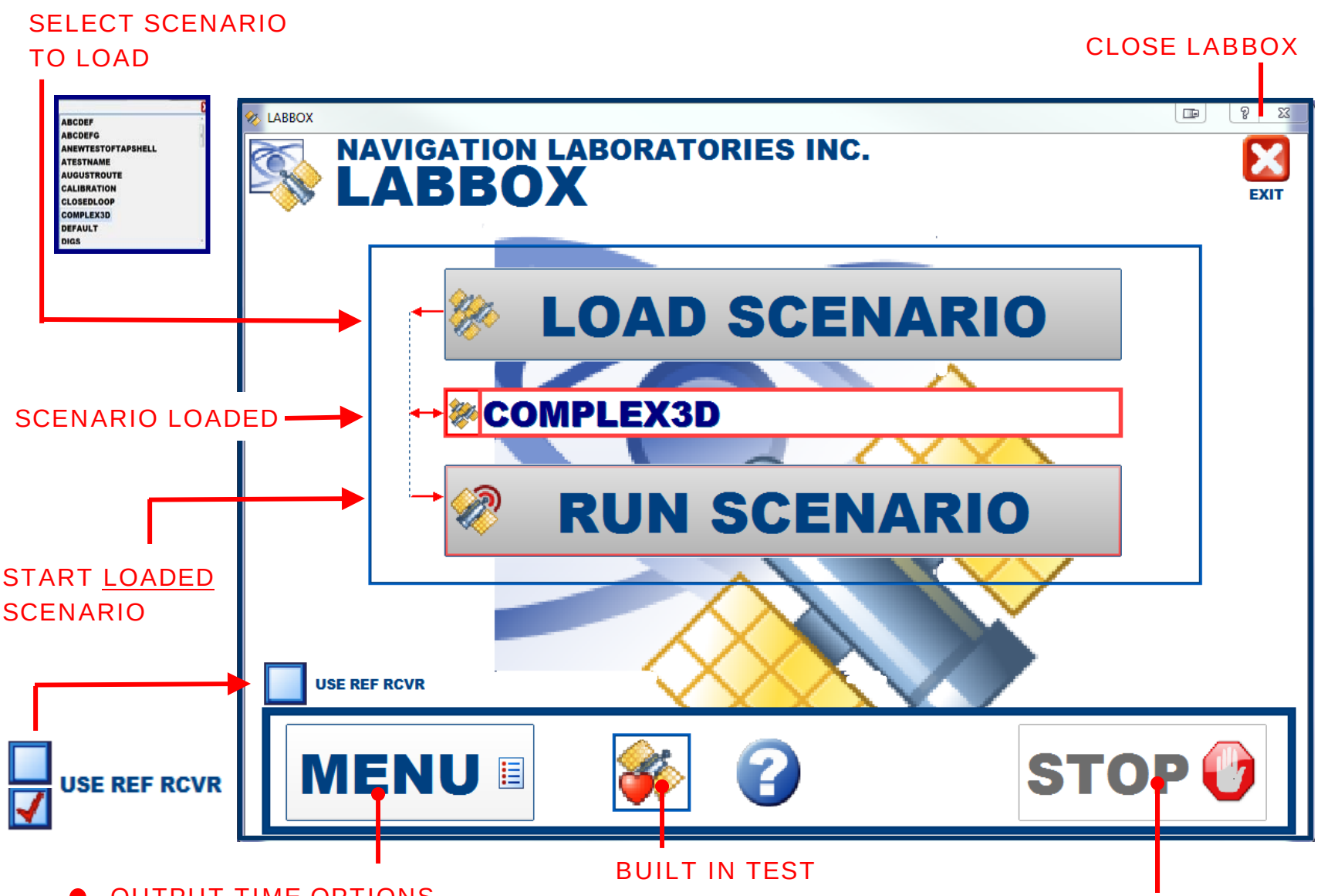
NAVLABS

LABBOX
L_1 L_2 DESKTOP CONSTELLATION SIMULATOR

LABBOX is a 16 channel L_1 L_2 C/A, P(Y M)* GPS Constellation Simulator designed for Laboratory desk-top use. LABBOX will replicate any (Legacy / Modernized*) Tapestry Scenario faithfully in either *Scenario-Time* or *Real-Clock Time*.

* optional



- OUTPUT TIME OPTIONS
- REMOTE CONTROL
- TRANSFER SCENARIO FROM MEDIA TO LABBOX
- BUILT IN TEST , POWER CALIBRATION

LOAD SCENARIO

THE LOADED SCENARIO IS SHOWN HERE →

COMPLEX3D

TO ADD SCENARIOS USE THE TRANSFER FUNCTION [MENU] OR "MAKE A SCENARIO" [MENU] →

INCLUDED PREBUILT SCENARIOS:

STATIC - 24 HOURS
1/5 G FIGURE EIGHT - 4 HOURS
1/2 G FIGURE EIGHT - 4 HOURS

1/5 G RACE TRACK - 4 HOURS
1/2 G RACE TRACK - 4 HOURS

1/2 G PITCH TO ALTITUDE RACE TRACK - 4 HOURS
1 G PITCH TO ALTITUDE RACE TRACK - 4 HOURS

USE LABBOX CONTROLS TO CHANGE INITIAL TIME AND LOCATION

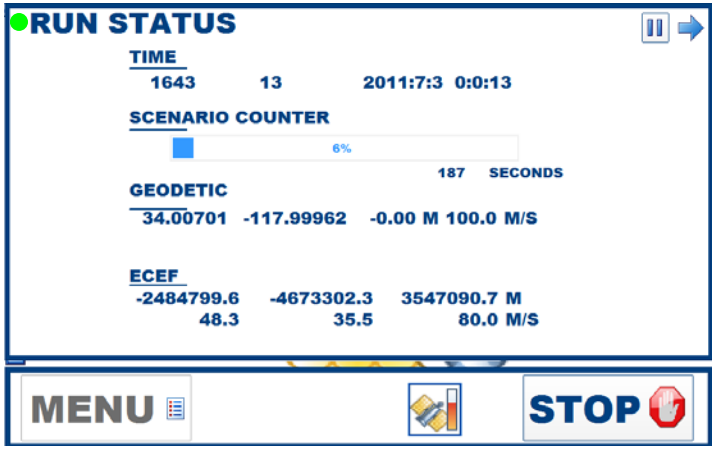
RUN SCENARIO

STARTS THE [LOADED] SCENARIO OUTPUT

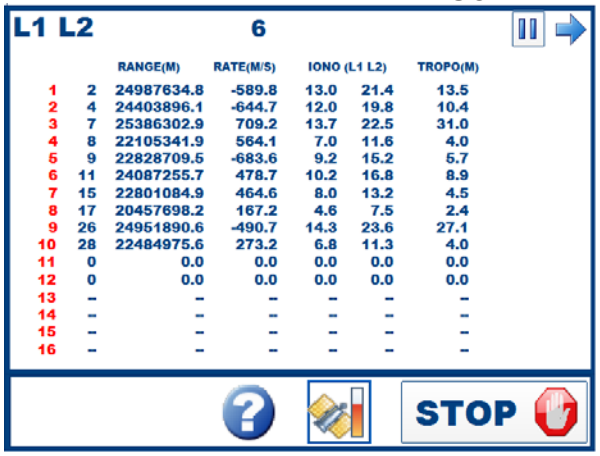
PAUSE /RESUME STATUS DISPLAY

NEXT SCREEN (OF 3)

SCREEN 1

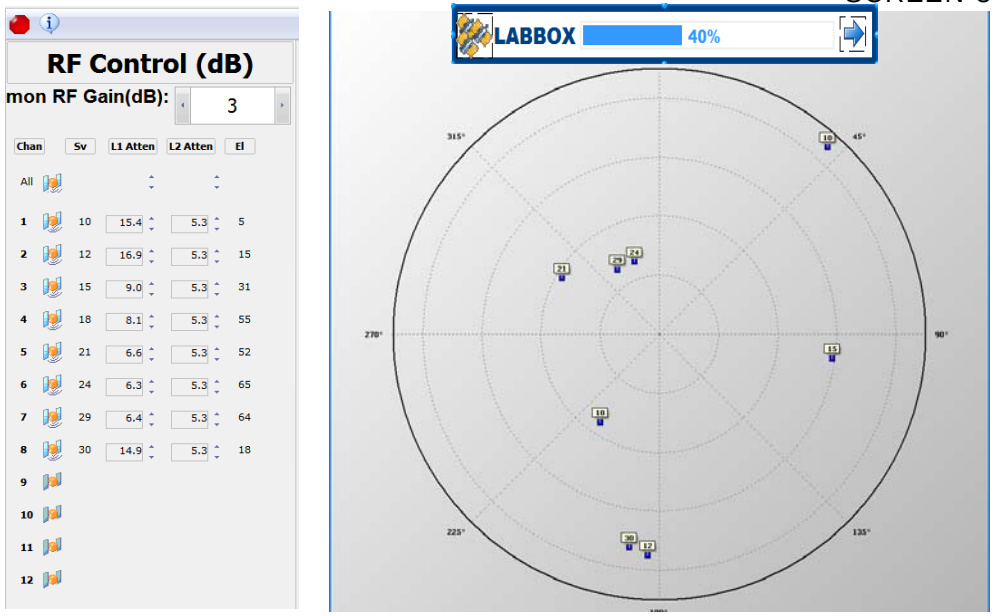


SCREEN 2



CLICK THIS TO RETURN TO RUN STATUS SCREEN 1

SCREEN 3

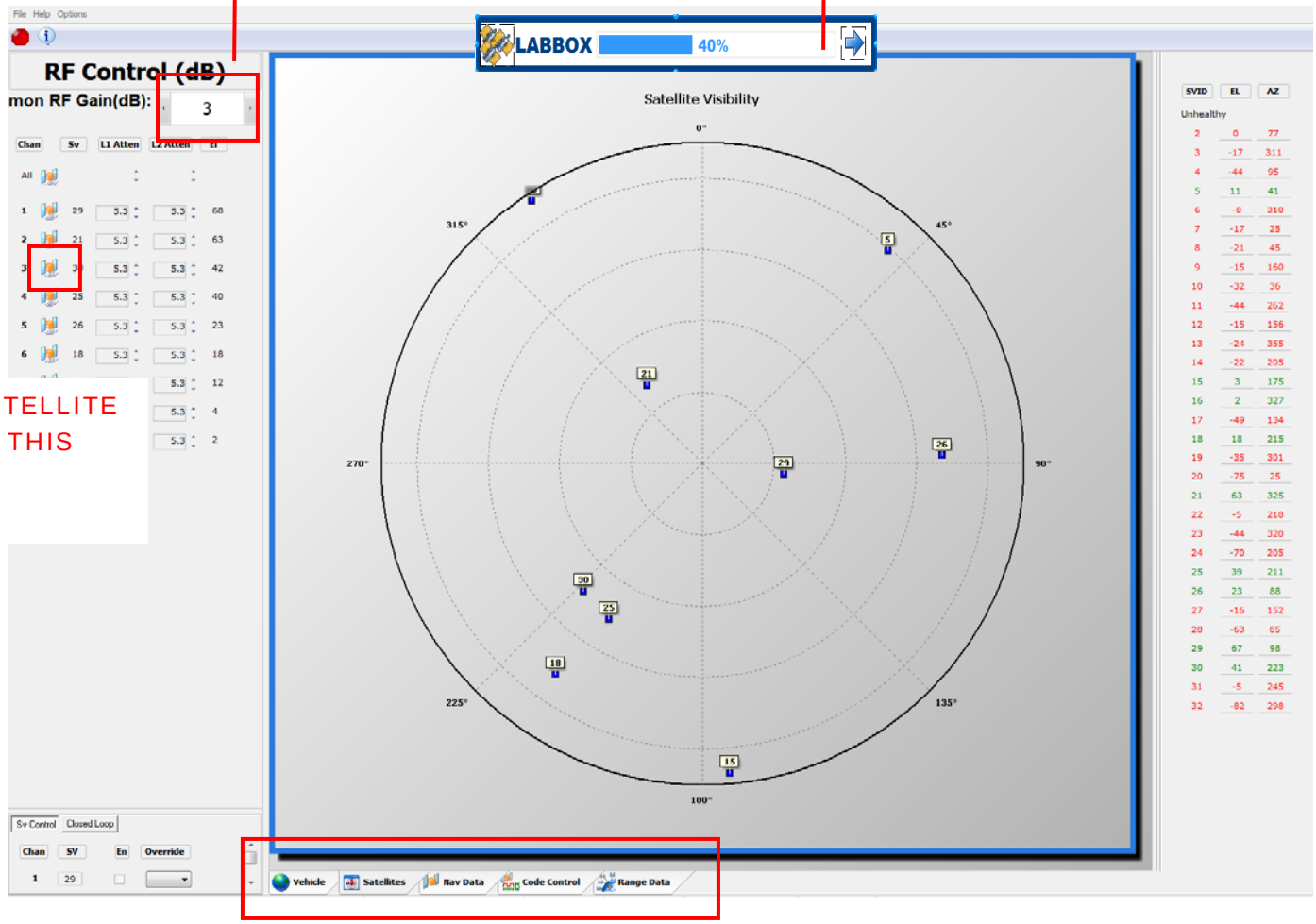


SHOW THE RUN STATUS AND POWER SCREEN

RUN SCENARIO

ADJUST POWER LEVEL USING UP/DOWN COUNTERS

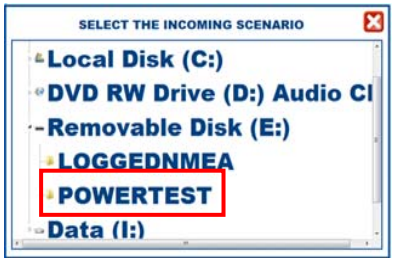
% SIMULATION COMPLETED
CLICK TO RETURN TO LABBOX SCREEN



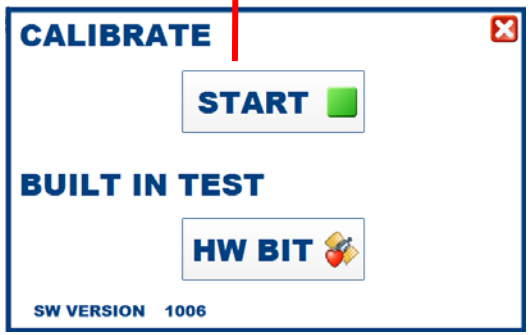
TURN OFF A SATELLITE OUTPUT CLICK THIS ICON

TO PRODUCTIVELY ACCESS ADDITIONAL FEATURES OF THIS RUN-SCREEN, CONNECT A USB-MOUSE: AND SEE USING RUN SCENARIO FOR THE TAPESTRY SYSTEM

IMPORT A SCENARIO FROM USB DRIVE OR OTHER MEDIA



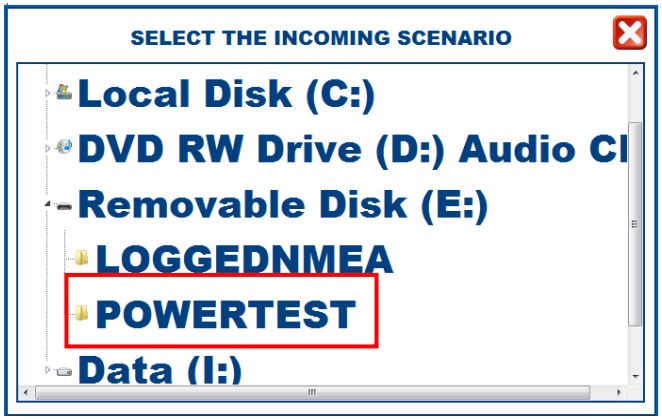
OPERATE LABBOX VIA ETHERNET



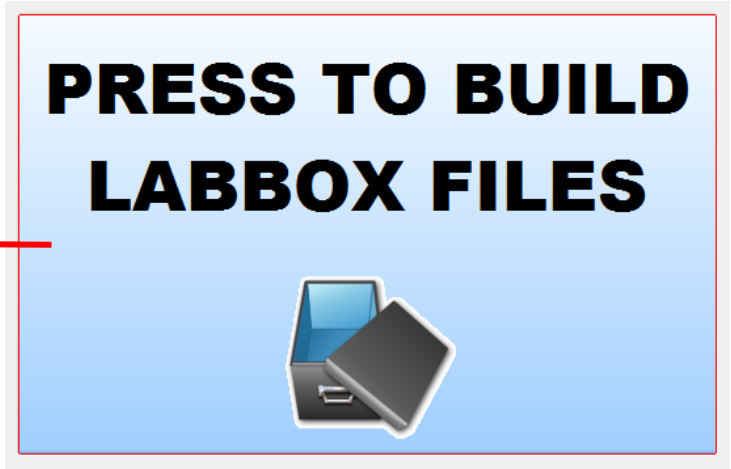
TRANSFER

TRANSFER A SCENARIO TO THE LABBOX

SELECT SCENARIO FOLDER

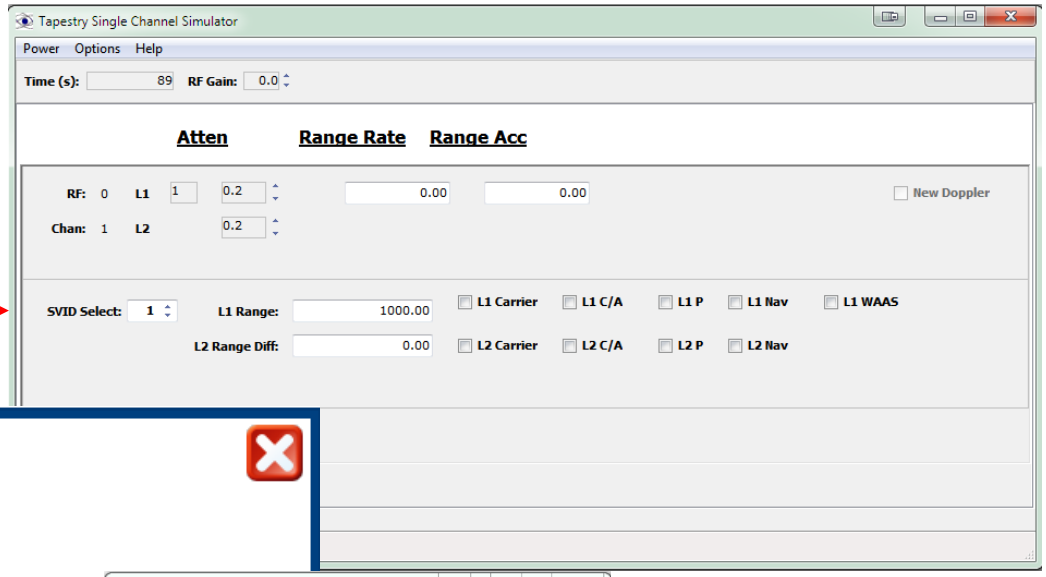


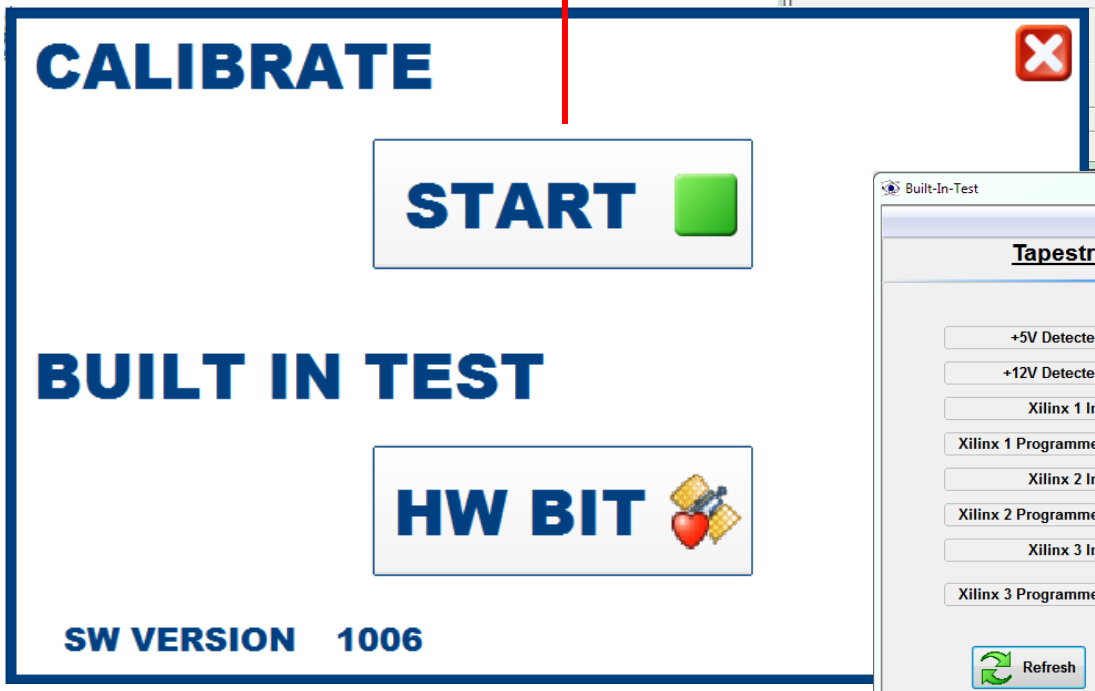
TRANSLATES THE SCENARIO TO LABBOX FORMAT (REQUIRED)

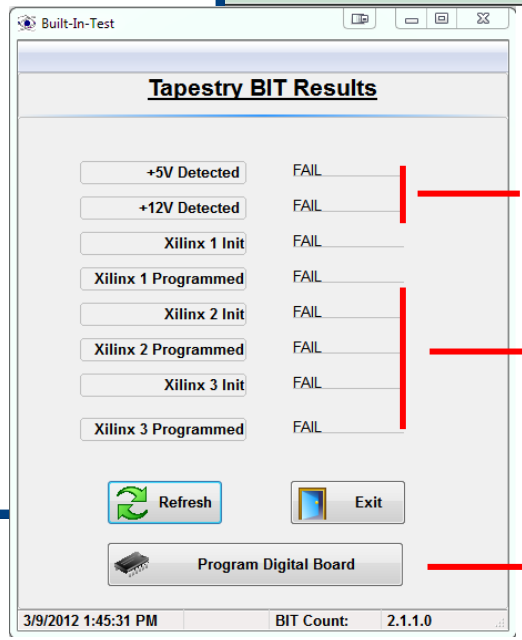


CALIBRATE POWER

SEE THIS DOCUMENT FOR CALIBRATION PROCEDURES



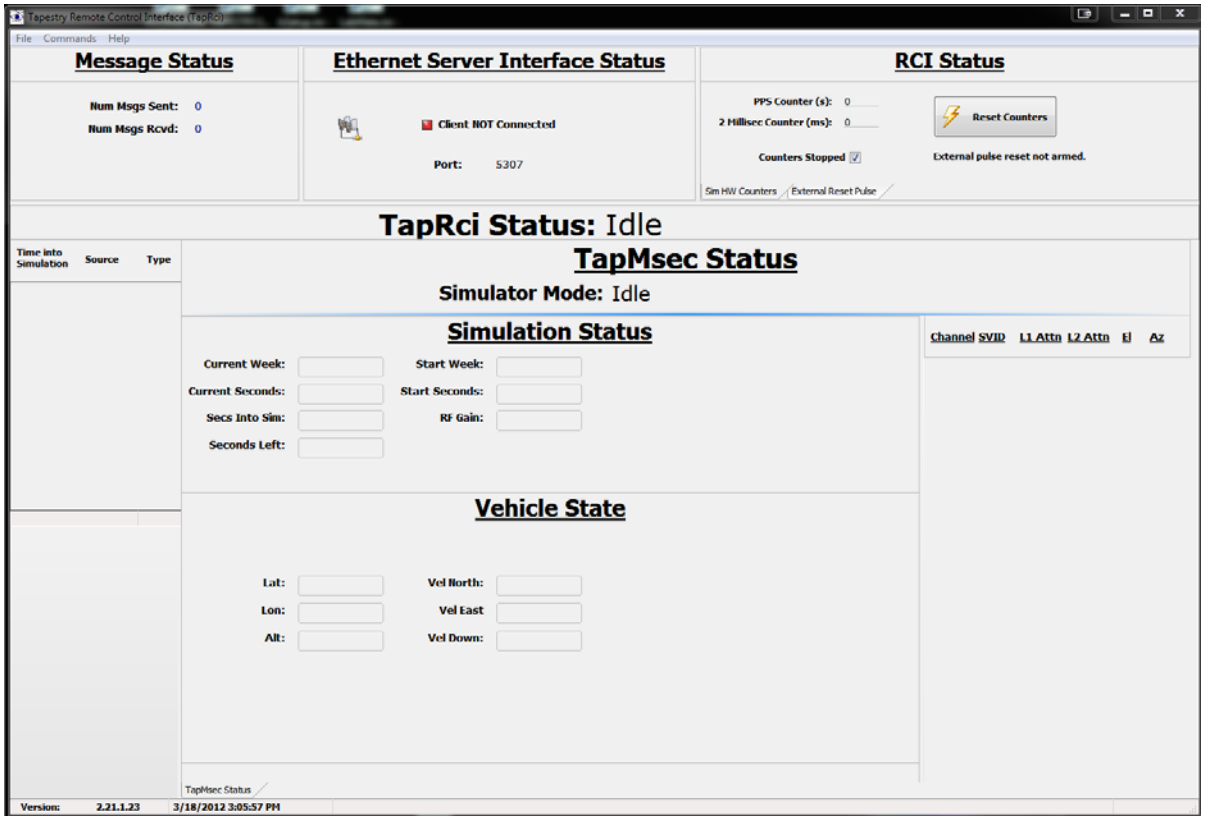




? +5V / +12V FAIL
CHECK THAT BOTH AC PLUGS ARE ATTACHED,

CHECK FUSE (1.5 A)

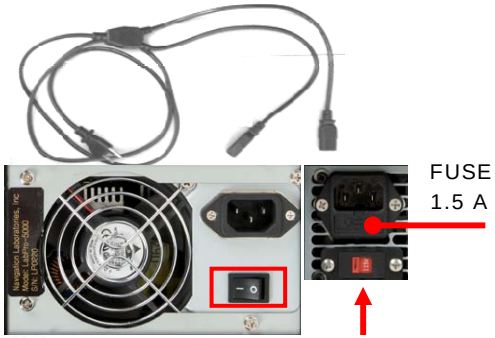
REMOTE CONTROL

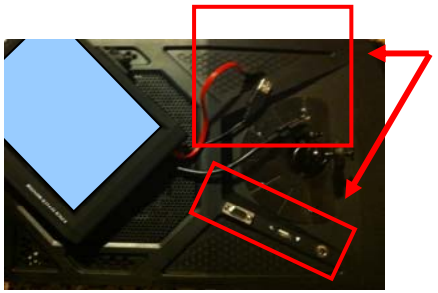


TO PRODUCTIVELY ACCESS ADDITIONAL FEATURES OF THIS RUN-SCREEN, CONNECT A USB-MOUSE AND SEE, REMOTE CONTROL INTERFACE MANUAL.PDF

LABBOX: INITIAL SETUP

BOTH AC RECEPTACLES MUST BE CONNECTED

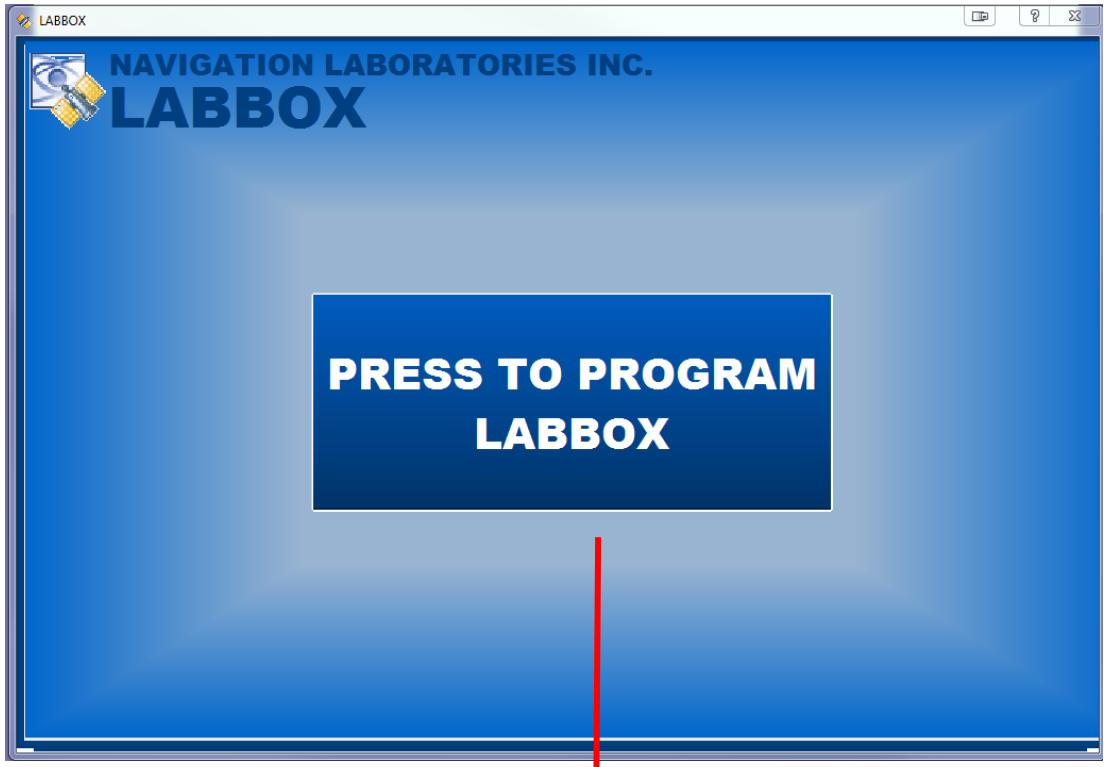




LABBOX: INITIAL SETUP / POWER-UP

ON POWER-UP,
THE PROGRAM LABBOX APPEARS.
PRESS THE PROGRAMMING BUTTON

THE LABBOX IS READY FOR USE !



FLASHES THE FPGA AND RUNS BUILT IN TEST