Combined Daily Start Up Power Link, AU680, and DxI

Flowcharts
Power Link, AU680, DxI Daily Start Up Process
AU680 Daily Start Up
DxI Daily Start Up
Power Link Daily Maintenance and Start Up
Power Link System Start Up

For Training Purposes Only

These job aids are shortened versions of the procedures found in the sources below. Information in the job aid is correct as of the date published. Verify you have the correct information.

Source:

- Power Link Instructions for Use P/N B15239AA (August 2012)
- AU680 User's Guide P/N B04779AA (March 2011)
- AU680 Quick Response Guide P/N B06655AA (April 2011)
- DxI Instructions for Use P/N 387261M (August 2011)

Document Disclaimers

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This document is not intended to replace the information in your AU680 User's Guide, AU680 Quick Response Guide, Power Link Instructions for Use Manual, DxI Instructions for Use Manual or DxI Online Help.

Information in the AU680 User's Guide, Quick Response Guide, DxI Instructions for Use, DxI Online Help system and Power Link Instructions for Use supersedes information in any other manual.

Warnings and Precautions

Read all product manuals and consult with Beckman Coulter trained personnel before attempting to operate the instrument.

Beckman Coulter, Inc. urges its customers and employees to comply with all national health and safety standards such as the use of barrier protection. This may include but is not limited to: protective eyewear, gloves, and suitable laboratory attire when operating or maintaining this or any other automated laboratory equipment.

Intention for Use

This document is not intended to replace the information in your instrument Instructions for Use Manual (IFU), Users Guide and Quick Response Guide. Information in the User's Guide and Instructions for Use supersedes information in any other manual.

Revision Status

Rev. A (September, 2013)
Software version Power Link 1.00-R03
Software version AU680 3.70
Software version DxI 600 4.4
Software version DxI 800 4.6

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Combined Daily Start Up for Power Link, AU680 and DxI

Objective

To use the Power Link, AU680, DxI Daily Start Up Process Job Aid to complete all daily start up procedures on all three components of the Power Link system simultaneously.

Flow charts

The following flowcharts provide the operator of the Power Link system a process for completing a daily start up on all three components, Power Link, AU680, and DxI.

Process for using the flowcharts:

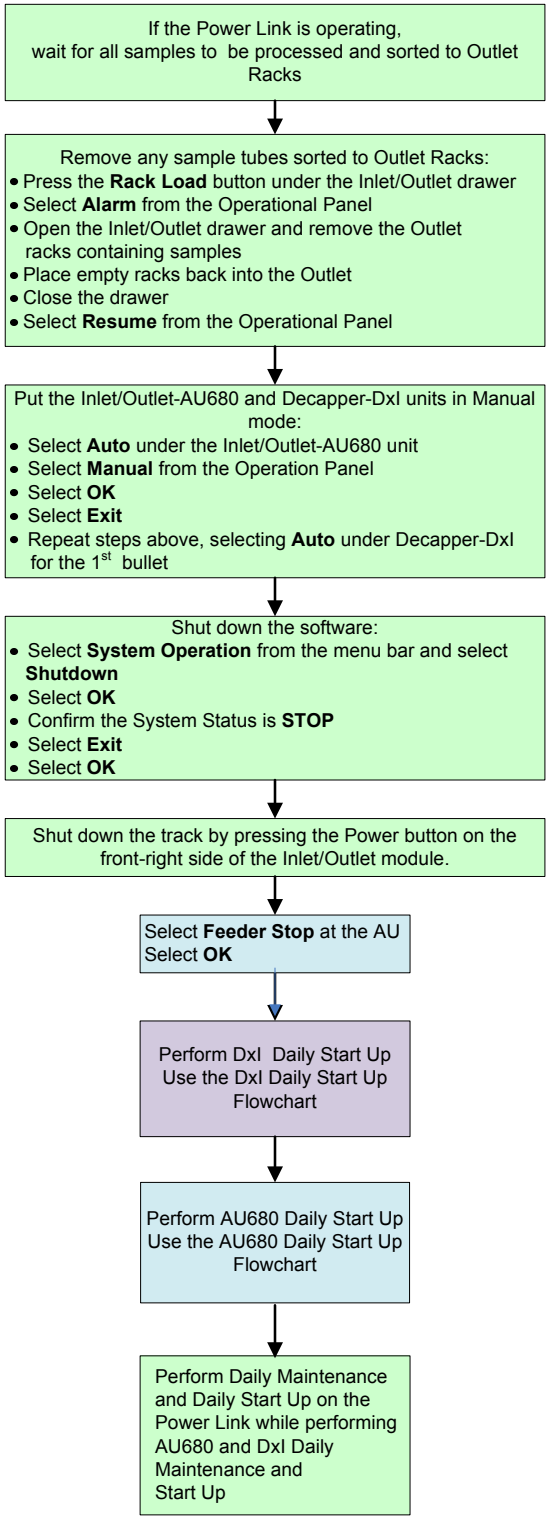
- Use the Power Link, AU680, DxI Daily Start Up Process flowchart for the order of performing each procedure.
- Use the AU680 Daily Start Up flowchart to perform daily start up on the AU680. Refer back to the Process flow chart for the next step.
- Use the DxI Daily Start Up flow chart to perform daily start up on the DxI. Refer back to the process flow chart for the next step.
- Use the Power Link Daily Start Up flow chart to perform daily start up on the Power Link. Refer back to the process flow chart for the next step.

For More Information

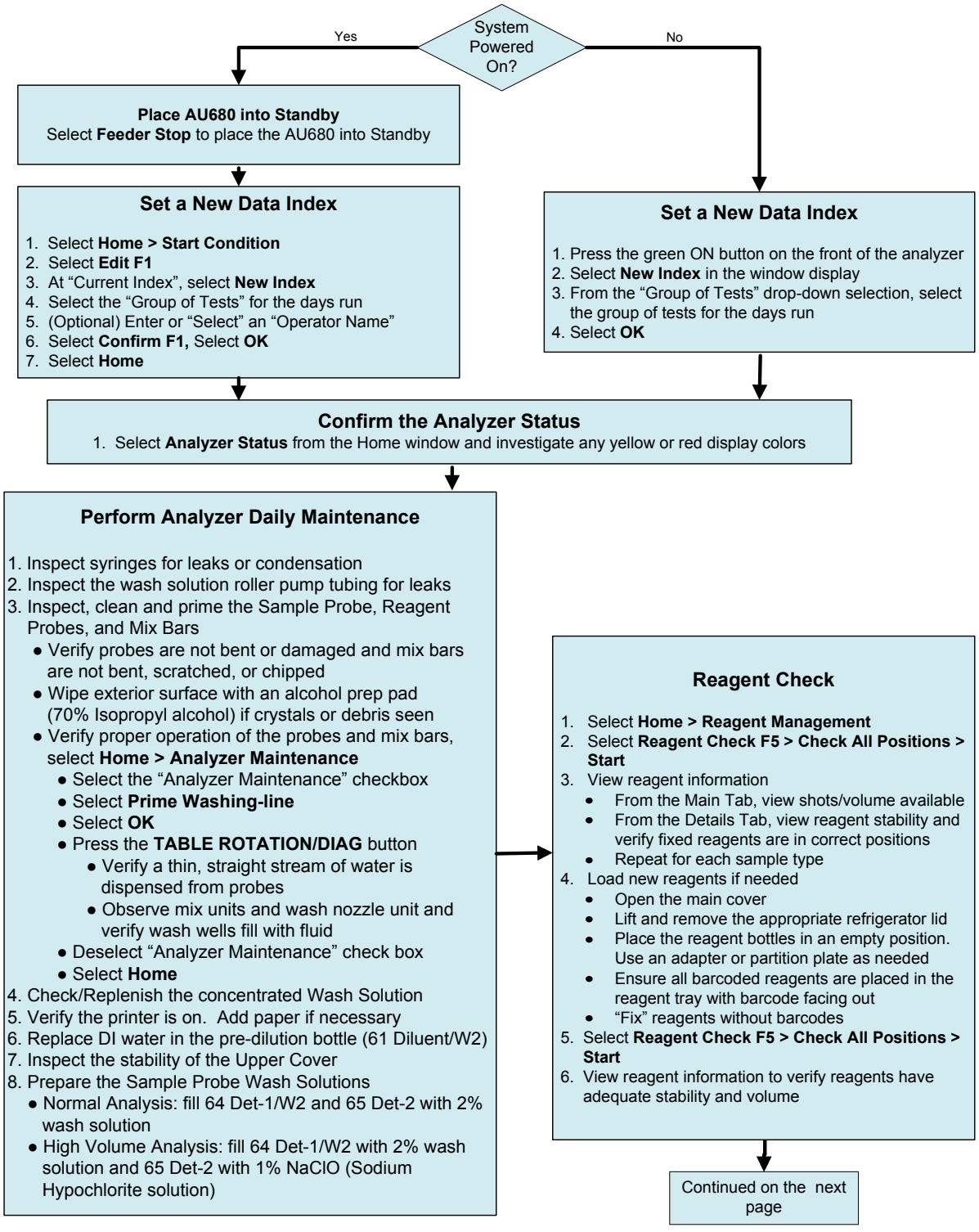
For detailed procedures and additional information, refer to the :

- AU680 User's Guide
- AU680 Quick Response Guide
- DxI Instructions For Use Manual
- DxI Online Help
- Power Link Instructions for Use Manual
- Power Link In-Lab Training Manual

Power Link, AU680, DxI Daily Start Up Process



AU680 Daily Start Up with Laboratory Automation



AU680 Daily Start Up with Laboratory Automation, Continued

ISE Start Up (as required)

1. Verify the ISE reagents are in date (90 day open bottle stability) and have adequate volume
2. Load reagents as needed, and prime.
3. If ISE clean is performed as part of an End Process, proceed to Reagent Check. If 24 hour a day facility, perform an ISE clean
   - Select **Home** > **Analyzer Maintenance** > **ISE Maintenance**
   - Place a cup with 1.0 mL ISE Cleaning Solution in the "CLEAN" position on Stat table and close lid.
   - Select **Cleaning F5 > OK**
   - Select the "ISE Maintenance**"** check box when cleaning is complete
   - Select **Total Prime, OK.** Press the **TABLE ROTATION/DIAG** button
   - Deselect "ISE Maintenance" check box.
   - Select **Home**

ISE Calibration (as required)

1. Calibrate the ISE
   - Select **Home** > **Analyzer Maintenance** > **ISE Maintenance**
   - Select the **Calibration** tab
   - Load serum and/or urine standards on the Stat table in labeled positions (S-H, S-L, U-H, U-L). Press the **TABLE ROTATION/DIAG** button to rotate the table
   - Select Serum Start, Urine Start or Serum/Urine Start
   - Select **OK**
   - When ISE calibration is done, verify Slope & MID Solution factor results are in range for sample types calibrated
2. Select **Home**

Perform RB/Calibrations (Calibrators are barcoded)

1. Select **Home** > **STAT Status** jump button > **Calibration** button
2. Select sample type requiring calibration from the Type drop-down
3. Select **Auto CAL/Requisition F3** to requisition the automatic analyzer calibration
   —(Optional) Select **Start Entry F1** to make changes. Repeat for each sample type. Select **Entry F1**
5. Select **Display Cup Set F5** to view calibrators and volume required
6. Open small STAT table cover. Load the required calibrators in any position on the stat table with barcodes facing out. Use the TABLE ROTATION/DIAG button to rotate the table, if necessary
7. Select **Close**
8. Place the reagent blank DI water in position **RB1** on the stat table. Close small STAT table cover

Perform Quality Control (Controls are barcoded)

1. Select **Home** > **STAT Status** > **QC**
2. Select sample type from the Type drop-down menu
3. Select **Start Entry F1** to requisition QC. Repeat for each sample type. Select **Entry F1**
3. Select **Display Cup Set F5** to view QC material and volume required
4. Load required QC in any position on the stat table with barcodes facing out. Use the TABLE ROTATION/DIAG button to rotate the table, if necessary
5. Select **Close**

Select **STAT Status > STAT Start F1.** Select **Start**

- Review the printed reports to verify that all RB/Calibrations/QC meet your laboratory requirements.
- De-select **Loading Paused** at the PrepLink
- Place AU Connection Unit back to **AUTO**
- Select AU **Feeder Pause** to change system mode to **Standby**
- Select **Start Condition** jump button and select **Edit F1**
- At **Start Sample No.,** enter "0500" in the Routine box, select **Confirm F1**
- Select **Measure Start** to place instrument into **Measure 1**

DxI Daily Start Up

Load Supplies

All supplies can be loaded while the DxI is in Running or in Ready Mode. From the **Main Menu** select **Supplies F3** to view both **Bulk Supplies F1 or Reagent Supplies F2**

1. Check **Reagent Packs** on board:
   - Select from the **Main Menu**, **Supplies F3**
   - Select **Reagent Supplies F2**
   - Invert new reagent packs five times
   - Load reagent packs when the In-Use reagent load light is off
2. Check **Wash Buffer** and load if empty:
   - Select from the **Main Menu**, **Supplies F3**
   - Select **Bulk Supplies F1**
   - Pull out the wash buffer supply drawer
   - Remove the perforated panels from a new container and gently mix the container
   - Extend the neck of the new container and remove the cap and inner seal
   - Press the disconnect button on the empty container to release the tubing
   - Remove the empty container from the drawer and replace it with the new container
   - Remove the cap/draw tube assembly from the empty container and insert it into the new container
   - Connect the tubing to the new container and close the drawer
3. Check the **Substrate** and load if empty:
   - Open the substrate load door and release the load tray
   - Remove the empty or expired bottle and discard
   - Remove a new bottle from the substrate equilibration area verifying it has been at room temp. for a minimum of 18 hours and a maximum of 14 days
   - Remove the cap from the new bottle and place the bottle in the load tray with the bar code facing out
   - Push in the load tray until it locks in place and the system closes the door
   - Scan the bar code label
   - Place a new bottle from refrigerator storage in the substrate equilibration area for the next substrate load
4. Check **Reaction Vessels** and replace if needed:
   - Open the vessel hopper door
   - Open a bag of RV's and pour the contents into the vessel hopper
   - Close the vessel hopper door
5. Check the **Liquid Waste** if not plumbed to a drain and empty contents:
   - Pull out the liquid waste drawer
   - Press the disconnect button on the full container to release the tubing
   - Remove the full container and replace it with an empty container
   - Connect the tubing to the empty container and close the drawer
   - Decontaminate the contents of the full container and dispose of the waste per laboratory procedure
   - Rinse the container thoroughly and store for future use
6. Check the **Solid Waste** and empty if needed or shake down as part of daily maintenance:
   - Pull down on the solid waste door handle
   - Slide the container out of the area and seal the waste bag
   - Press the green reset button and close the door
   - Place new waste bag in bin

Perform Analyzer Daily Maintenance

1. Verify the Back Up of System was successful:
   - Select **Configure F8**
   - Select **PC Admin F7**
2. Shake down the solid waste container:
   - Open the solid waste drawer
   - Pull out the container and shake the container to flatten the waste
   - Push the solid waste container back into the drawer and close the door
3. Perform Maintenance Routine:
   - Select **Sample Manager F1**
   - Select **New Request F3**
   - Select **Maintenance F3**
   - With the Utility enabled select either the **Daily Clean** Or **Special Clean** if Vitamin B12 has been run in the last 24 hours.
   - Select **OK F1**
   - In **Maintenance Requests,** enter the rack for calibration Rack ID at the Enter ID box
   - Press **Enter**
   - Load the samples in the rack
   - Open the cover of the SPU (sample presentation unit) when the In-Use light is off
   - Place the rack on the right side of the SPU with the bar code of the rack facing right
   - Close the cover of the SPU

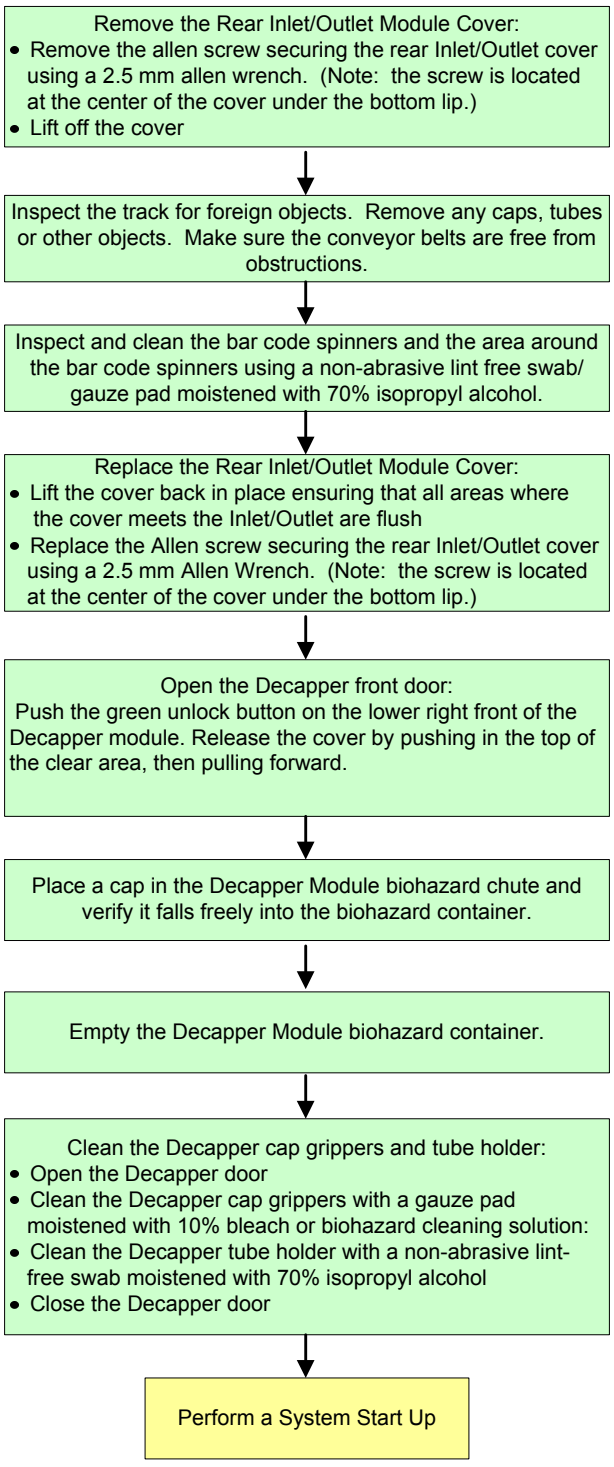
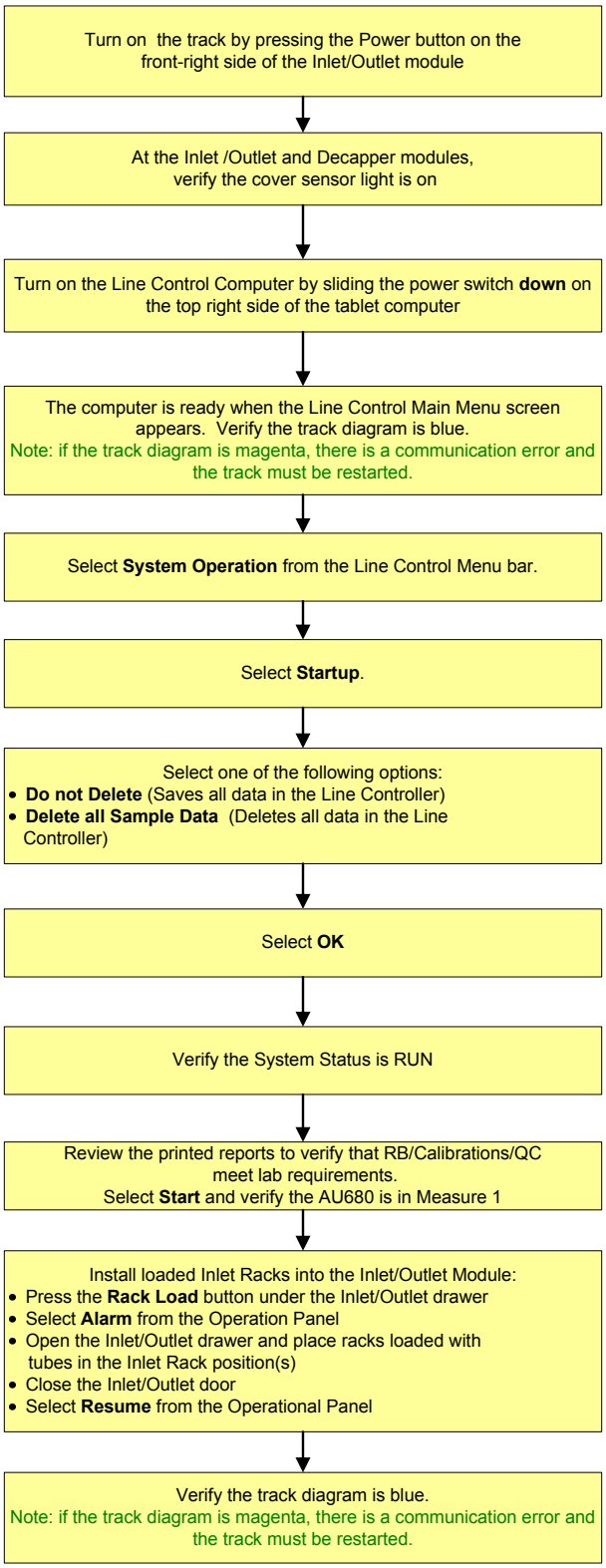
Check and Perform Calibrations

1. Check calibration status of reagents:
   - From the **Main Menu**, select **Supplies F3**
   - Select **Reagent Supplies F2**
   - Select **Reagent Inventory F8**
2. Request a calibration:
   - From the Main Menu, select **Sample Manager F1**
   - Select **New Request F3**
   - Select **Calibration F2**
3. In the Request Calibration screen, select the calibrator lot number of the calibrator(s) that will be used for calibration
4. Select **OK F1**
5. In the Test Requests screen, enter the Rack ID and Enter (repeat as needed)
6. Place the samples in the racks and exit the Test Requests screen
7. Open the cover of the SPU (sample presentation unit) when the In-Use light is off
8. Place the rack on the right side of the SPU with the bar code of the rack facing right
9. Close the cover of the SPU

Perform QC

1. From the **Main Menu**:
   - Select **Sample Manager F1**
   - Select **New Request F3**
2. Select **Patient/QC Request F1**
3. At the Test Requests, enter the Rack ID, then **Enter**
4. Select **Request QC F5**
5. Select quality controls
6. Select **OK F1**
7. At Test Requests, select tests for each quality control
8. Place the samples in the rack
9. Open the cover of the SPU (sample presentation unit) when the In-Use light is off
10. Place the rack on the right side of the SPU with the bar code of the rack facing right
11. Close the cover of the SPU

Power Link Daily Maintenance and Start Up



Power Link System Start Up