Reference document for making changes in the unit

1. Changing the PCB

To change the PCB follow the given steps.

- Open the Unit.
- Find the PCB which needs to be changed.
- Use Anti-Static setup while removing the PCB (Anti-static mat, wristband and antistatic brush) and make sure the unit is switched off.
- Remove the connectors which are connected to PCB (The connectors have jelly on them so remove the jelly first and then the connector).
- Remove the screws and fiber washers from the corners of the PCB.
- Physically remove the PCB and place a new one in the exact position.
- Reconnect the connectors onto the PCB. (Apply jelly on the connectors to seal them).

2. Changing the Component on the PCB

To change a component on a PCB

- Use the 'Change the PCB' steps to remove the PCB.
- Then find the component which needs to be removed.
- Heat up the solder gun and melt solder metal on the solder pads of the component which needs to be removed.
- Do not overheat the component.
- Remove the component using tweezers.
- Clean the area of the PCB using I.P solution and antistatic brush.
- Solder the new component using solder gun and metal.
- Again clean the Area of the PCB.
- Place the PCB back in it position.

3. Changing the Battery

If the Battery is depleted (less than 7 v)
To check voltage, place the negative probe of the multi-meter on the black connector of the battery and positive probe of the multi-meter on the red connector of the battery and check voltage on multi-meter.

- Open the unit, and locate the battery. Make sure unit is not connected to Mains power supply.
- Check which PCB, the battery is connected to.
- The Positive of the battery is denoted by a 'Red' mark on the battery.
- The Negative of the battery is denoted by a 'Black' mark on the battery.
- Remove the jelly which is used to seal the connectors of the battery.

- Remove the connectors which are connected to the battery.
- Then place the positive connector in the red connector of the battery and negative connector in the black connector.

4. Changing the FPC cable

To change the FPC cable if it is not connected properly or if it is faulty.

- Open the unit, locate the FPC cable
- Then follow the procedure for 'Removal of PCB' to remove the PCB to which the FPC cable is connected to.
- Then remove the jelly applied on the top of the connector.
- The black part of the connector is the lock of the connector. Release it on the opposite side of the PCB to open the lock, and then remove the FPC cable.
- Take a new FPC cable, the golden part of the connector should be placed downwards and the blue part on the top. Place the FPC cable along the connector on the PCB and press the lock towards the PCB to lock the FPC cable. Apply jelly on the connector to seal the connection.

5. Touch up of the components on the PCB

Touch up a component on the PCB

- Use the 'Change the PCB' steps to remove the PCB.
- Then find the component which needs to be removed.
- Heat up the solder gun and melt solder metal on the solder pads of the component which needs to be touched-up.
- Do not overheat the component.
- Melt only a small amount of metal on the solder pads.
- Use flux to remove extra metal from the component.
- Clean the area of the PCB using I.P solution and antistatic brush.
- Place the PCB back in it position.