Base V3 Labeling Requirements:

The Base V3 Device/FCC Label goes on the bottom of the unit. Some of the data on this label is static, whereas other information is specific to each individual unit. The items shown in red above will be changing from unit to unit. The 2D barcode contains all of the information in red, in a comma delimited string (the barcode is encoded in "Datamatrix" format). For the example shown above, the barcode would read "01234567,0123456789AB,BASEV3012345,ADMIN123456". Note that the dashes are not contained in the barcode - they are inserted into the human readable text to make it easier to read .

Serial Number:

This Serial Number (S/N) is unique identifier that distinguishes this Base V3 unit from every other one in the world. It MUST be a unique value - no two units can have the same number.

This S/N will be written to the OTP (one time programmable) memory of the Base V3. Any unit that that contains a duplicated S/N is completely useless - it must be scrapped, or the BGA processor replaced.

This S/N will also be printed and bar coded onto the label that is placed on the bottom of the Base V3. This label MUST match what was written into the OTP of the Base V3 PCB. The PCB and the plastics are then inseparable. This S/N will be scanned at LifeShield's warehouse when a system is configured and shipped to a customer.

The S/N consists of8 hexadecimal digits (4 bytes). The human readable format to be printed on the label should have dashes between every 4 digits (eg 0123-4567)

In the event that a PCB must ever be removed from its plastics after a unit has been manufactured, it is imperative that it ends up in the same plastics so that the label will match up to the PCB.

MAC Address:

The MAC address is another unique identifier for the PCB. In theory, this MAC address should be unique from every other one in the world. In practice, duplicates only are an issue if they are on the same local network. However, it is our intent to make this a unique identifier. This MAC address is stored in the Flash of the Base V3, and is printed onto the label on the bottom of the device.

The MAC address consists of 12 hexadecimal digits (6 bytes). The human readable format to be printed on the label should have dashes between every two digits (eg 01-23-45-67-89-AB).

WiFi SSID & Password:

In certain cases it will be necessary for the end user to configure the Base V3 using WiFi. In this case the Base V3 will be acting as an access point. However, it will not broadcast the SSID. Therefore, the user will need to know the SSID and Password in order to connect to it.

The SSID is an alphanumeric value of 12 digits or less (12 bytes).

The Password is an alphanumeric value of 12 digits or less (12 bytes).