**Launch Kit - Inventory**

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| **Latex Gloves - 1 box**    Latex gloves should be used when handling the balloon to avoid chemicals on the skin compromising the balloon. | **1 x Yupiteru MVT-7100**  IMAG0364.jpg  Handheld Radio Scanner - used to receive radio signals from your payload. |
| **1 x BNC Telescopic Aerial**  IMAG0365.jpg  Attaches to handheld scanner. Use for short range receiving and testing | **1 x Custom Audio Cable**    Connects output of radio to the tracking tablet / computer |
| **1 x 7” Tablet**  IMAG0368.jpg  Used for decoding radio signals and transmitting the data to <http://tracker.habhub.org/> | **1 x Kitchen Scales**  IMAG0372.jpg  Used during launch to determine when the gas in the balloon is generating enough lift. |
| **1 x ~2 litre bottle**  IMAG0398.jpg  Use to balance the required necklift for the balloon launch, when the balloon can lift this it’s ready to be released. | **1 Pair side cutters / Snips**  IMAG0405.jpg  Useful for cutting cable ties etc. |
| **Cable ties 1 pack**  IMAG0401.jpg  Used for securing the balloon to the filling hose and for tying off the neck of the balloon. | **3 x Payload Kits**  IMAG0400.jpg  Each payload kit is enough for a launch and contains   * Raspberry Pi Model A+ * Pi in the Sky Board * Lora Board * Cables, headers and GPS Antenna |
| **2 port USB car charger**  IMAG0407.jpg  Power your various USB devices whilst on the chase. | **Huawei MyFi Adapter**  IMAG0375.jpg  Allows you to connect to the internet whilst on the move, the SSID and password are on the inside of the cover. |
| **Custom Ground Plane x 1**  IMAG0411.jpg  The ground plane is connected to the copper braid on the aerial and helps improves the signal being directed down to the ground. | **Tent pegs x 10**    Used to hold down down the groundsheet. |
| **Ground Sheet x 1**  IMAG0397.jpg  Use this to create a flat & clean surface on which to inflate your balloon, use pegs to secure to the ground | **USB Power Bank x 3**    Allows you to power your USB devices whilst on the move, such as tablets & LoRa receivers |
| **Parachute x 1**  IMAG0408.jpg  To be attached between the payload and the balloon prior to launch, this should be secure with knots and tugged to ensure it is secure. | **Filler Hose x 1**  IMAG0402.jpg  The narrow end attaches to the nozzle on the helium tank, whilst the pipe end is wide enough for the balloon neck |
| **Road Atlas x 1**  IMAG0376.jpg  Provides detailed maps of the UK for navigation. | **Gaffer tape - 1 roll**  PG2-2.jpg  Useful for sealing payload and securing lines / balloon necks. |
| **Wifi Dongles x 2**  WiFi_Dongle.png  Use for connecting laptops / Raspberry Pi to mobile wifi network. | **SMA pigtail aerial x 5**  pigtail-500x500.jpg  Short length of RG-174 coax cable ending in an SMA connector and with 164mm striped from the other end.  Connect to both the LoRa and UHF sockets on the PITS payload |