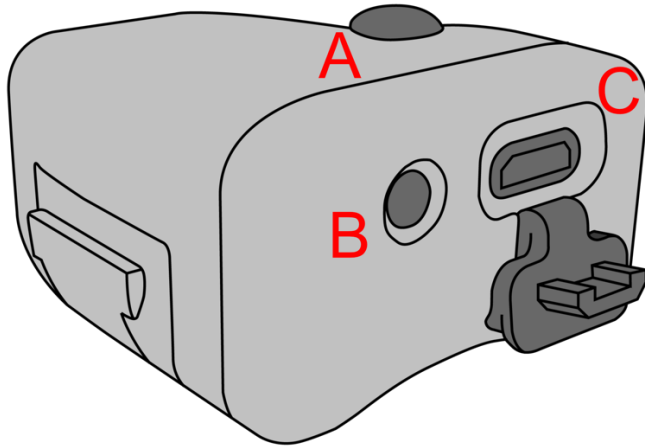MFR Remote Installation Booklet

Features Description

A. On/Off & Micro-Adjust Button (MAB)
  1. When remote is off, press and hold the MAB for 1 second to turn the remote on
  2. When on and connected to a D1x Shifter:
      a. Press and hold for 1 second to engage Micro-Adjust Mode – the LED will flash orange quickly
      b. Now the shift buttons will step the current gear in or out by 0.25mm increments
      c. Click the MAB one time to exit Micro-Adjust Mode or wait 7 seconds with no button presses or shifts and the remote will return to Run Mode.
  3. Press and hold the MAB for 3 seconds to turn the remote off
B. Shift button Port – Use only Archer Components 3.5mm headphone plugs with the Shift Button Port. Standard TRRS plugs may cause erratic behavior and/or damage to your remote
C. Charging Port – Use a micro-USB cable to charge from a 5v USB power supply
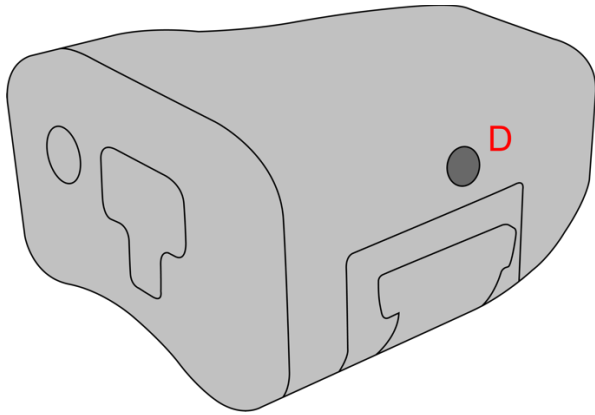
D. Status LED
- Green LED on startup means battery is 30-100% charged
- Red LED on startup means battery is less than 30% charged
- LED flashes green or red with each shift to indicate battery level
- Rapidly flashing orange LED indicates Micro-Adjust Mode (see below)
- Rapidly flashing green LED indicates Remote is searching for its D1x Shifter

Step 1: Charge Battery
1. Peel back the dust cover from the USB port
2. Insert a micro-USB cable into the port and connect to a 5v USB power supply
3. The Charge LED will illuminate red while charging and turn off when the unit is fully charged
4. Re-insert the USB dust cover to keep dirt and water from entering the USB port
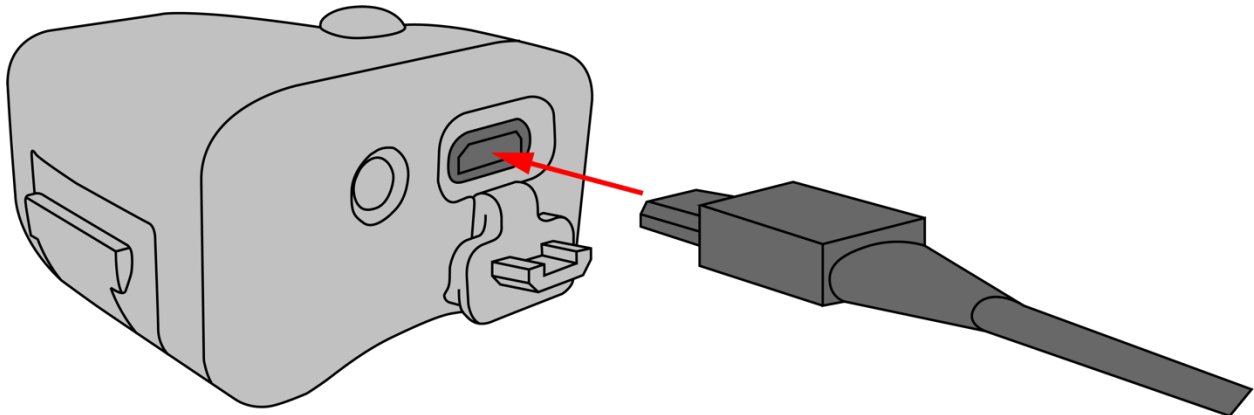
Step 2: Install MFR Pod
1. Determine the appropriate location for the pod
   a. Make sure you have access to the MAB and can access the Shift Button Port in the mounting location
   b. Verify there is sufficient length of shift button cable for the mounting location
   c. If mounting on the handlebar or stem, turn your bars to make sure the MFR Pod does not hit the bike frame

d. If mounting off the handlebar or stem, make sure to provide sufficient slack in the shift button cable to allow for full range of motion of the handlebars when turning

2. Use an appropriately sized O-ring to affix the pod to a secure location on your bike

Note: The optional double-sided adhesive strip can be used to provide a more secure mounting however the adhesive should be used in conjunction with the O-ring, not by itself
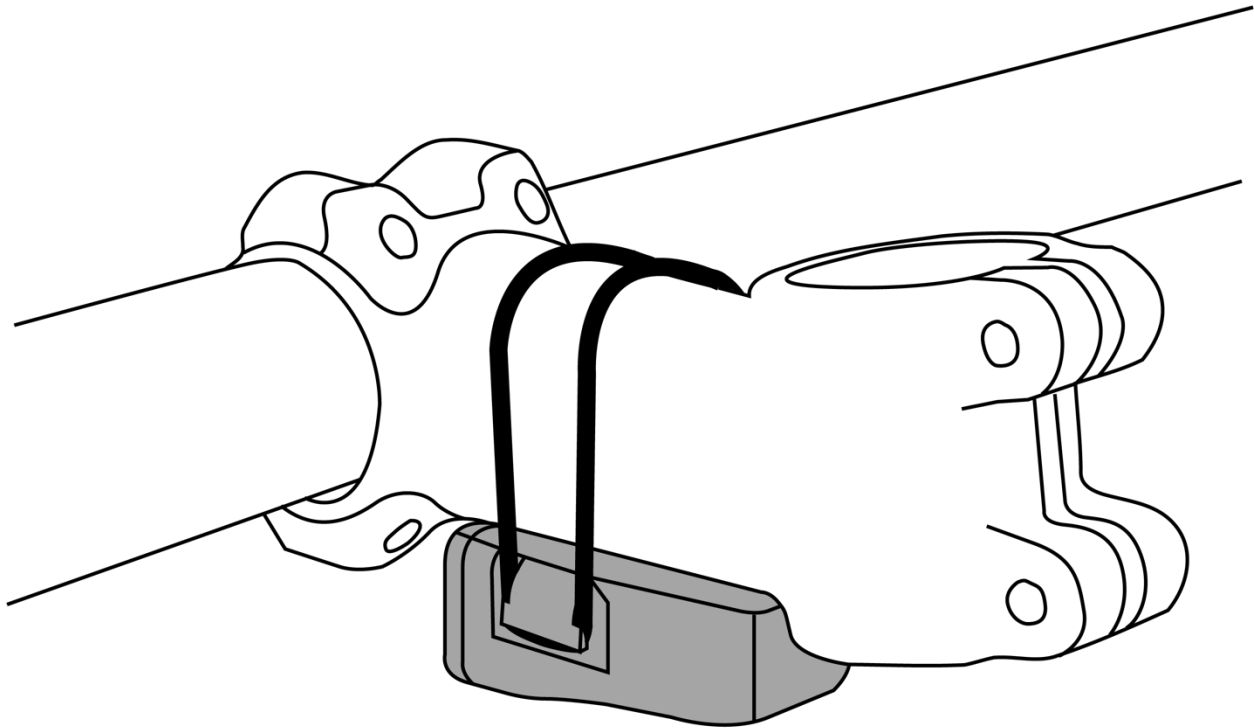
Step 3: Install the MFR Satellite Buttons
1. Depending on your bike, consider removing the old handlebar tape
2. Determine the optimal placement of each shift button on your handlebars

Note: Do not worry which string of buttons is Up Shift and which is Down Shift – this can be adjusted in the app using the "Reverse Shift Button" toggle in the Settings Menu.

3. There are 2 methods of attaching the shift buttons to your bars, a zip tie or with the adhesive tape AND using bar tape to secure them in place
4. If using zip ties, tighten the tie only until the button is secure on the bars. Overtightening the zip tie can lead to poor shift performance

Note: The Satellite Buttons will not stay in place using the adhesive tape alone. You must secure the buttons to your bike with either a zip tie or handlebar tape.

5. If using the Double Strand buttons, remember that both buttons on a single wire will have the same function (either shift up or shift down). You cannot program one button on the wire to shift up and the other to shift down.

Note: Do not cover the rubber portion of the shift button with bar tape, this will impede button performance. You must be able to feel the button click under the rubber.
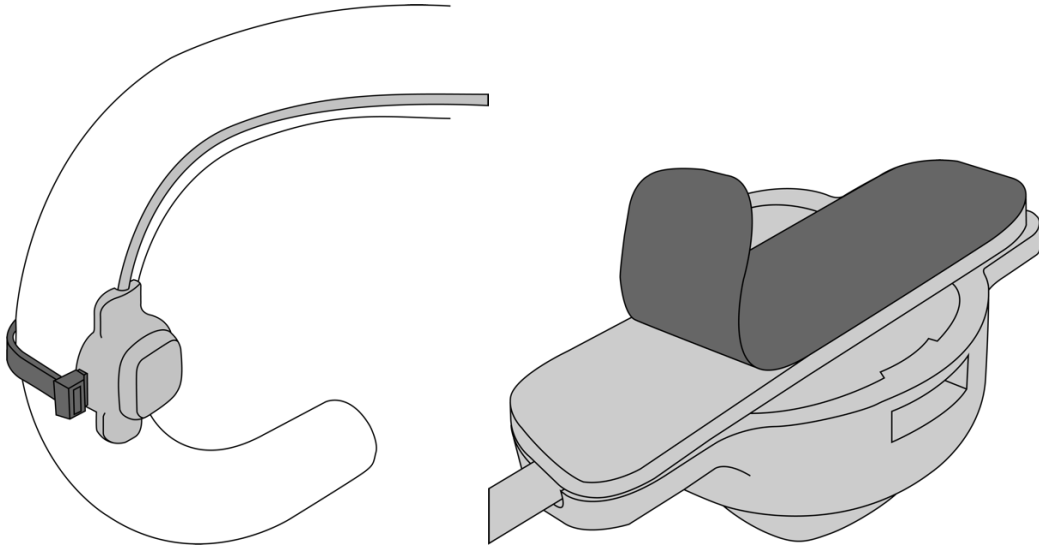
Step 4: Pair Remote and Shifter
1. Turn on the D1x Shifter
2. Pair the Archer app with the D1x Shifter
3. Go to Settings > Pair Remote and press Proceed
4. Turn on the D1x Shifter
5. Turn on the Remote
6. The Remote LED will flash green and then orange 2 times then go off. The Shifter LED will flash green indicating that it is connected to the remote.
7. The pairing process is complete