

MODES OF OPERATION

BATTERY CHECK

When the shifter powers on the battery level is displayed by the LED.

- Solid green = >50%
- Flashing green = 30% -- 50%
- Solid red = 15% -- 30%
- Flashing red = <15%

When shifter is in Run mode, press the tactile switch to display battery level.

RUN MODE FEATURES

Normal:

- Green flashing LED
- Auto-shutdown accelerometer running
- Get me home gear enabled

Low power mode:

- LED connection and battery indicators shown for 10 seconds after power on or tactile button press. Otherwise the LEDs are shut off
- No auto-shutdown accelerometer
- No get me home gear

SEARCH MODE

- When the shifter is not connected to a device (app or remote) the LED will flash red. The shifter is waiting for a device to connect to.

LEARN MODE

LED flashes orange.

Shifter is in learn mode when "Pair Remote" is pressed in the app.

- Once "Pair Remote" is pressed the shifter will power down immediately.
- Press the tactile switch for 1 second to power on the shifter, it will now be in Learn Mode.
- While in Learn mode, the shifter is searching for an available device to connect with. Once connected the shifter will record the UUID of the device in memory and only pair with this device.
- While the shifter is in Learn Mode, turn on the remote and the two devices will pair and store the UUID in memory.

MICRO-ADJUST MODE

1. While in Run Mode press and hold the shifter tactile switch for 3 seconds.
2. The LED will flash alternating green and red lights.
3. Shift up and shift down buttons on remote will micro adjust current gear set point.
4. Press the tactile switch quickly to exit Micro-adjust mode and return to Run Mode.

Questions? Email info@archercomponents.com



INSTALLATION & CONFIGURATION INSTRUCTIONS

STEP 1: CHARGE BATTERIES

Charge the AA and AAA batteries completely before installation using the provided charger.

STEP 2: SHIFTER INSTALLATION

Bike Preparation

1. Shift to smallest gear on rear cassette.
2. Remove rear wheel.
3. Disconnect the shift cable from the rear derailleur and pull bowden housing and ferrule free from rear derailleur.

Shifter Prep - Batteries

1. Remove the M2 screw holding the battery door cover closed.
2. Insert the two 3.7V li-ion rechargeable AA size batteries into the battery channel, positive end first.
3. Do not use alkaline AA batteries. Although they are the same size, they run a much lower voltage and the shifter will not perform well.
4. Close the battery door and tighten the M2 screw.

Shifter Prep - Shift cable

1. Locate the shifter along the chainstay and measure the cable and bowden housing lengths you will need for your bike. Keep it as straight as possible.
2. Peel back the silicone housing to expose the maintenance hatch.
3. The drive nut should be as close to the ferrule side of the shifter as possible. **If not**, power on the shifter, pair with the app, and go to "Settings > Change Shift Cable."
4. Insert the desired length of shift cable into the drive nut and thread it out the ferrule hole on the shifter.
5. Affix ferrules to the bowden housing and slide the shift cable through. Fit the shifter end ferrule into the hole on the shifter.
6. Pull the shift cable snug against the drive nut and take care that the barrel of the shift cable is not caught on the small metal tab on the drive nut.
7. Re-affix the silicone cover over the maintenance door.

Shifter Prep - P Straps

1. Insert the narrow end of each P-strap into the front slot-holes. Pull snug.
2. Loosely thread the M2.5 screws through the mounting bosses, into the aluminum clamps.

Install

1. Thread the shift cable into the insertion point on your rear derailleur.
2. Align the far end of the bowden housing ferrule into the derailleur.
3. Pull the shift cable snug.
4. Locate the shifter in the desired location on the chainstay.
5. Pull the P-straps over the chainstay and through the clamp slot on the mounting boss.
6. Push the shifter up against the chainstay while pulling the p-straps tight and tightening the clamp screws.
7. Thread the shift cable through the derailleur path but DO NOT TIGHTEN the shift cable against the derailleur.

Configure

1. Turn on the shifter by pressing the tactile switch for 1 second.
2. The red light on the shifter will flash.
3. If you hear motor oscillations, slightly tug the shifter cable. The motor will quiet down.
4. Open the Archer app.
5. Find the device labeled either Archer_D1x or D1x_#####.
6. Pair with the device if prompted.
7. Press New Configuration and proceed through the prompts on the app.

INSIDE LEFT
(room for images?)

STEP 3: REMOTE INSTALLATION

Battery

1. Remove the two M2 screws from the battery door cover.
2. Insert the battery.
3. Check that the 37x1.5mm o-ring is properly seated.
4. Close the door and tighten the screws.

Handlebar

1. Remove your old shifter pod and any leftover mounting hardware.
2. Remove your handle bar grip.
3. Slide on the SRAM matchmaker clamp over.
4. Use the provided M5 screw to secure the remote to the clamp.
5. Adjust the location of the remote and fully tighten the clamp.

STEP 4: REMOTE/SHIFTER PAIRING

1. Make sure the remote is powered off.
2. Power on the shifter and pair with the mobile app.
3. Go to Settings > Pair Remotes > Proceed. The shifter will turn off automatically.
4. Turn the shifter back on. An orange LED will be flashing indicating Remote Learn Mode.
5. Turn on the remote, The LED will flash green 2 times, then orange. Once the orange light has stopped flashing the remote has been uniquely paired to the shifter.
6. You do not need to do Remote/Shifter pairing each time you ride your bike. Once they've been programmed you can simply turn on the shifter and remote and they will automatically connect, pair and bond.

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