



6 REASONS TO USE TWIN SHIFT



1. TWIN SHIFT MAKE EASIER PRACTICE BICYCLE

- TWIN SHIF is a single handle to control the two derailleurs on a bicycle. User simply and solely access to a logical gears ratio suite. He doesn't need to know the position of derailleurs. He doesn't need to be an expert to use correctly transmission.
- With TWIN SHIFT, no crossing chain and so, less torsion and chain jumping.
- Cables tracks inside TWIN SHIFT are fully straight and access is open whatever the angular position of the handle.

2. TWIN SHIFT IS FOR ALL

- TWIN SHIFT is intuitive. Just need to turn handle in one direction to increase gear ratio, and in the other to decrease. No risk to move the wrong derailleur in the wrong direction. User access only to a logical and progressive gear ratio suite. User doesn't need to be an expert to use correctly transmission.
- Equipped with an assistance mechanism, TWIN SHIFT no need effort to be used, including when moving the front derailleur. The ergonomics proposed, the fully handle to turn, make possible a child to use this shifter!
- TWIN SHIFT is sold at a price smaller enough to equipped all bicycles including low-end.

3. TWIN SHIFT IS A REAL INNOVATION

- TWIN SHIFT is the only gear change mechanism easy to use, compatible* with existing frames and components, sold at a small price.
- TWIN SHIFT is protected by international patents

4. TWIN SHIFT IS COMPATIBLE* WITH EXISTING FRAMES AND COMPONENTS

- TWIN SHIFT is smaller enough to insure a good access to brake levers
- Dimensions, fixation and cables wires make TWIN SHIFT compatible with existing frames and components
- TWIN SHIFT design include an Over Shifting on rear ad front cables which make it as easy to adjust as the best one cable shifters on market. We talked about a Capacity 2.5mm.
- Because impossible to cross the chain, TWIN SHIFT make possible to reduce chain length 10 links around.

5. USE 100% BIKE PERFORMANCES WITH TWIN SHIFT

- TWIN SHIFT use all and only useful gear ratios, in a logical suite. It stays the maximum on central crankset for a better comfort. TWIN SHIFT gives access to :
 - 10 speeds with a 3x6 transmission, and a 2-6-2 breakdown (2 speeds on smallest crankset, 6 on medium, 2 on biggest).
 - 11 speeds with a 3x7 transmission, and a 3-6-2 breakdown.
 - 12 speeds with a 3x8. 3-6-3 breakdown.
 - 14 speeds with a 3x9. 4-7-3 breakdown.

6. QUALITY

- TWIN SHIFT is made in France.

* Need trial for validation. This also necessary to respect the components using conditions defined by makers, especially derailleurs.

3X6 TRANSMISSION

3x6		6	5	4	3	2	1
		Larger					smaller
A	small	←					
B	Medium	←	→				
C	Large					→	

Compatible* with all 3x6 transmissions using 2:1 cable ratio

Breakdown 2-6-3

3 speed on smallest crankset, 6 on medium and 3 on biggest.

3X7 TRANSMISSION

3x7		7	6	5	4	3	2	1
		Larger						smaller
A	small	←						
B	Medium		→					
C	Large						→	

Compatible* with all 3x7 transmissions using 2:1 cable ratio

Breakdown 3-6-2

3 speed on smallest crankset, 6 on medium and 2 on biggest.

3X8 TRANSMISSION

3x8		8	7	6	5	4	3	2	1
		Larger							smaller
A	small	←							
B	Medium		→						
C	Large							→	

Compatible* with all 3x8 transmissions using 2:1 cable ratio

Breakdown 3-6-3

3 speed on smallest crankset, 6 on medium and 3 on biggest.

3X9 TRANSMISSION

3x9		9	8	7	6	5	4	3	2	1
		Larger								smaller
A	small	←								
B	Medium		→							
C	Large								→	

Compatible* with all 3x9 transmissions using 2:1 cable ratio

Breakdown 4-7-3

4 speed on smallest crankset, 7 on medium and 3 on biggest.

FIXATION ON BIKE / ADJUSTMENTS

TWIN SHIFT to be placed on handlebar, right side. It is fixed by a clamp, M05 screw hexagon socket head

Turn handle to place TWIN SHIFT on speed 10 (3x6), 11 (3x7), 12 (3x8) or 14 (3x9). This speed match to biggest crankset / smallest sprocket chain position.

Control chain is on the smallest sprocket

Connect "R" cable (placed up to handlebar) to rear derailleur

Make a 1st adjustment the rear derailleur. Respect using conditions defined by derailleur maker.

When rear derailleur well adjusted, turn handle to place TWIN SHIFT on speed 1. This speed match to smallest crankset / biggest sprocket chain position.

Control chain is on the biggest sprocket and smallest crankset

Connect "F" cable (placed bottom the handlebar) to front derailleur

Make a 1st adjustment the front derailleur. Respect using conditions defined by derailleur maker.

Make now the final adjustment both derailleurs

Cut the over length cables and protect extremities with sleeves

* Need trial for validation. This also necessary to respect the components using conditions defined by makers, especially derailleurs.