

Other wheeled systems

Common Wheel Arrangements

Bicycle drive: Steered wheels

Bicycle drive has a steered wheel in the front and a non-steered wheel in the back.

The steered wheel gives some direct control over where the ICC is.

Tricycle drive

Tricycle drive has a steered wheel in the front and two non-steered wheels in the back.

Synchronous drive

A **synchronous drive** robot has three steerable drive wheels.

- All the wheels always point in the same direction.
- All the wheels always drive at the same speed.

Ackerman steering

On traditional cars, the two steered wheels do *not* steer by the same amount.
(Why?)