

## PlanetCNC Wireless handwheel user manual



**Supported features:**

- Wireless communication
- No additional software plugins needed
- Display with backlight showing work, machine coordinates and override
- All 9 axes supported
- 5 selectable jogging modes
- Spindle override control
- Feed override control
- Machine control buttons (E-Stop, Start, Pause...)
- Offset control buttons
- Spindle and coolant control buttons
- Durable rubber protection guard
- Long lasting batteries (Batteries are not included!)
- High quality long range easy mountable antenna with detachable cable

**Kit includes:**

- Wireless handwheel with rubber guard
- Antenna with extension cable
- USB dongle transceiver
- Metal hanger bracket and screws for mounting
- Requires 2 x AA batteries (Batteries are not included!)

## Startup process:

- Insert 2 x AA batteries
- Attach cable with antenna and USB dongle.

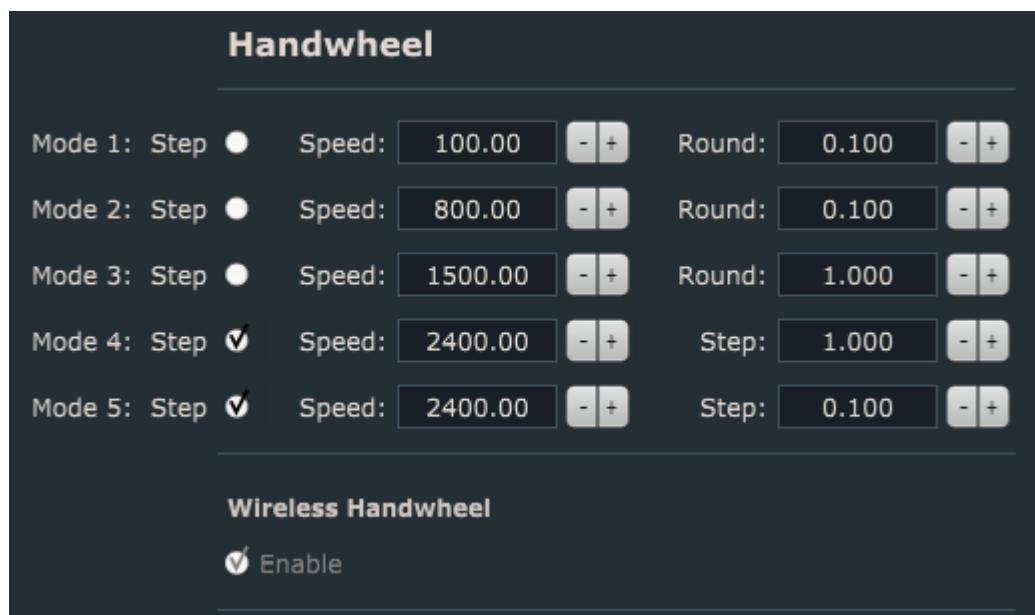


-Connect the USB dongle with your PC's USB port.

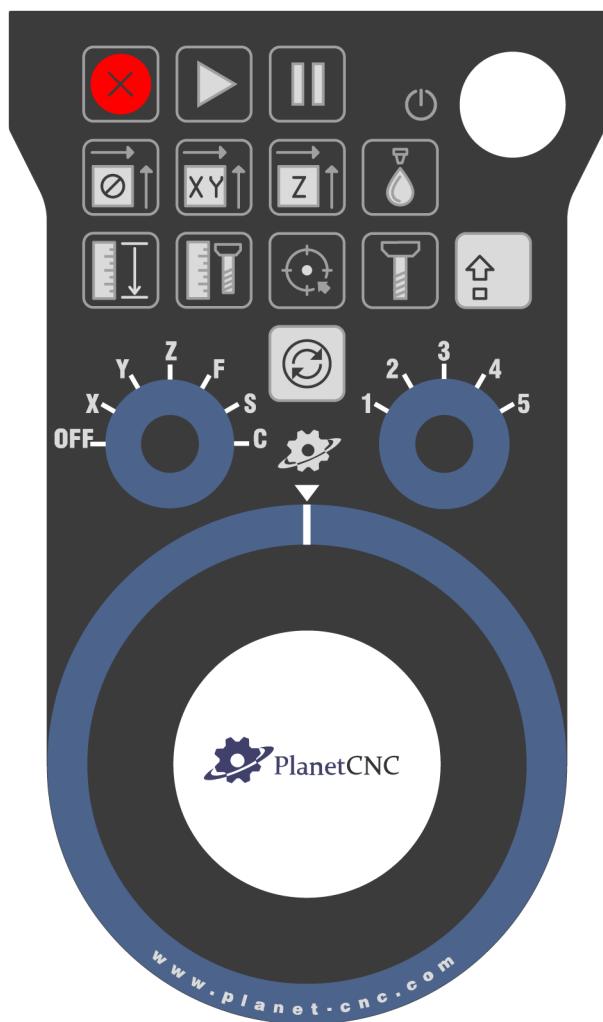
-Turn ON the handwheel using ON/OFF switch

-Launch PlanetCNC TNG sw and check the Jogging/Handwheel settings section.

If handwheel is recognized by TNG software, *Wireless Handwheel* option should be enabled:



## Handwheel button layout:



## **Handwheel button functionality:**

### **E-Stop button:**

Initiates E-Stop.



### **Start:**

Starts program.



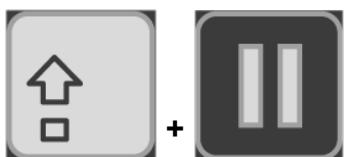
### **Pause:**

Pauses program.



### **Stop:**

Stops program.



### **Offset zero button:**

Sets work position offset value to zero.



### **Work position XY zero button:**

Sets current XY work position to zero.



**Work position Z zero button:**

Sets current Z work position to zero.

**Flood ON/OFF button:**

Turns flood ON/OFF.

**Mist ON/OFF button:**

Turns mist ON/OFF.

**Measure Height button:**

Initiates Measure Height procedure.

**Measure Tool Length button:**

Initiates Tool Length measurement procedure.

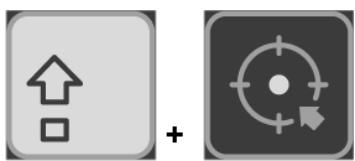
**Move To Zero XY button:**

Initiates Move to Zero procedure.



**Home button:**

Initiates Home procedure.

**Spindle ON/OFF button:**

Turns spindle ON/OFF.

**Cycle button with axis selected:**

Toggles Machine and Work coordinates.



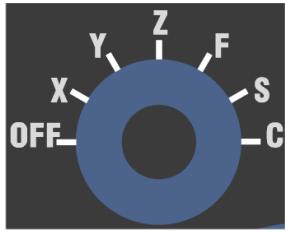
Selects group of axes: X,Y,Z or A,B,C or U,V,W

**Cycle button with feed override selected:**

Toggles Feed and Traverse override.



## **Axis, Feed override, Spindle override and Info select switch:**



**X,Y,Z (A,B,C,U,V,W):** Axis selected will move when encoder wheel is rotated.

**F:** Feed speed and traverse override menu.

**S:** Spindle speed override menu.

**C:** Additional info of currently selected jogging mode.

## **Jogging mode select switch:**

Selects jogging mode from 1-5. Jogging modes are configured in PlanetCNC TNG sw under File/Settings/Jogging/Handwheel. See PlanetCNC TNG user manual for more info.

