

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:

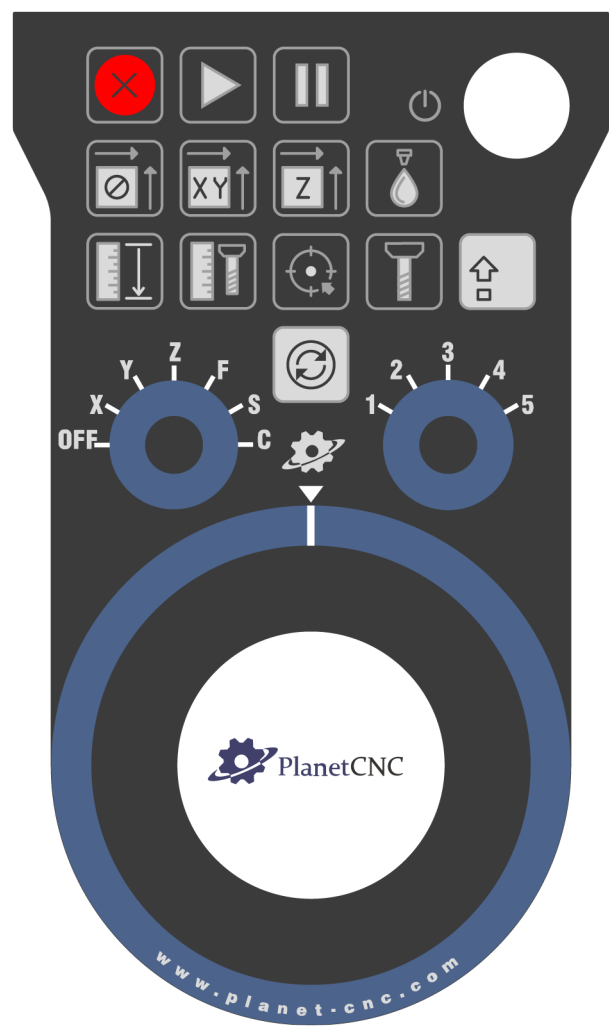
Handwheel

Mode 1: Step	<input type="radio"/>	Speed:	<input type="text" value="100.00"/>	<input type="button" value="-"/>	<input type="button" value="+"/>	Round:	<input type="text" value="0.100"/>	<input type="button" value="-"/>	<input type="button" value="+"/>
Mode 2: Step	<input type="radio"/>	Speed:	<input type="text" value="800.00"/>	<input type="button" value="-"/>	<input type="button" value="+"/>	Round:	<input type="text" value="0.100"/>	<input type="button" value="-"/>	<input type="button" value="+"/>
Mode 3: Step	<input type="radio"/>	Speed:	<input type="text" value="1500.00"/>	<input type="button" value="-"/>	<input type="button" value="+"/>	Round:	<input type="text" value="1.000"/>	<input type="button" value="-"/>	<input type="button" value="+"/>
Mode 4: Step	<input checked="" type="radio"/>	Speed:	<input type="text" value="2400.00"/>	<input type="button" value="-"/>	<input type="button" value="+"/>	Step:	<input type="text" value="1.000"/>	<input type="button" value="-"/>	<input type="button" value="+"/>
Mode 5: Step	<input checked="" type="radio"/>	Speed:	<input type="text" value="2400.00"/>	<input type="button" value="-"/>	<input type="button" value="+"/>	Step:	<input type="text" value="0.100"/>	<input type="button" value="-"/>	<input type="button" value="+"/>

Wireless Handwheel

☒ Enable

Handwheel button layout:



Handwheel button functionality:

E-Stop button:

Initiates E-Stop.



Start:

Starts program.



Pause:

Pauses program.



Stop:

Stops program.



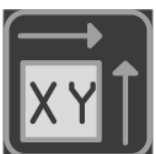
Offset zero button:

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.

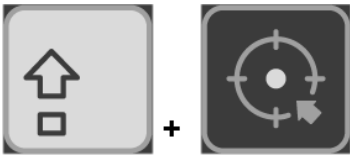
**Move To Zero XY button:**

Initiates Move to Zero procedure.



Home button:

Initiates Home procedure.

**Spindle ON/OFF button:**

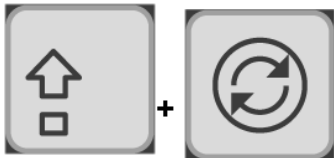
Turns spindle ON/OFF.

**Cycle button with axis selected:**

Toggles Machine and Work coordinates.



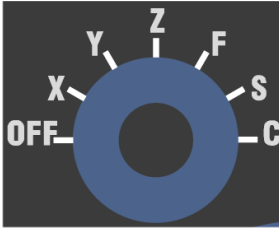
Selects group of axes: X,Y,Z or A,B,C or U,V,W

**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.

