CENTROID Wireless MPG Control Pendant
Model: WMPG-4 for Centroid CNC equipped Mills, Lathes & Routers

LCD DRO display
(Displays up to 4 axes)

Feed Hold

Cycle Start

Cycle Cancel

Pendant On / Off

Continuous Jog

Spindle Control

4 User Programmable Buttons

Set Axis Part Zeros

Tool Check

Axis Selector

Feed Rate Override and Spindle Speed Override control with MPG wheel!

Increment / Speed selector x1, x10, x100

100 Step MPG

Take the control to where the work is! A game changing tool, the Centroid Wireless MPG Control Pendant allows the operator to conveniently and precisely set up jobs and tools remotely.

No software drivers to install. Plug and Play with Centroid CNC12 CNC software, just plug in the included USB transmitter/receiver and start using it! Perfect for all types of Mills, Lathes, Routers and other specialty CNC machines.

- On-the-fly Feed Rate override
- On-the-fly Spindle Speed override
- 4 axis DRO display
- 4 axis MPG and continuous jogging control
- Robust wireless communication
- No software drivers to install
- Free Tech Support via CNC Forum
- Hanger bracket mount w/ magnets

- Smooth motion
- Long range wireless
- Robust CENTROID developed drivers
- Takes 2 AA batteries, run time approx. 1 month
- USB Plug and Play Transmitter / Receiver
- Rubber case protector
- Tactile Feedback domed buttons w/ gold contacts
- High quality 3M Overlay

LCD DRO display
(Displays up to 4 axes)

Feed Hold

Cycle Start

Cycle Cancel

Pendant On / Off

Continuous Jog

THC Auto on/off

Laser Set XY position

TORCH Check

Jog Forward along cutter path

VOLT = Target Voltage override
control with MPG wheel.

Restart Mode

Jog Backward along cutter path

FEED = Feed Rate override
control with MPG wheel.

"Macro 1" = User Programmable
button

Increment / Speed selector
x1, x10, x100

Axis Selector

Set Axis Part Zeros

100 Step MPG Wheel:
Control for Feedrate Override, Volt-
age Override, Jogging any Axis.

Take the control to where the work is! A game changing tool, the Centroid Wireless MPG Control Pendant allows the operator to conveniently and precisely set up jobs and tools remotely.
No software drivers to install. Plug and Play with Centroid CNC12 CNC software, just plug in the included USB transmitter/receiver and start using it!

- On-the-fly Feed Rate override
- On-the-fly Target Voltage override
- Restart Mode
- Jog Forward & Backward along cut path
- 4 axis DRO display
- 4 axis MPG and continuous jogging control
- Robust wireless communication
- No software drivers to install
- Free Tech Support via CNC Forum

- Smooth motion, Long range wireless
- Robust CENTROID developed drivers
- Takes 2 AA batteries, run time approx. 1 month
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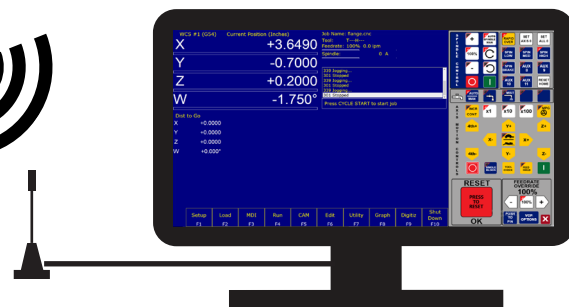- Hanger bracket mount w/ magnets
- Requires a Plasma Pro License

CENTROID WMPG-4 kit part # 8928 shown

WMPG-4 Kit for use with Centroid CNC systems

• WMPG-4 Wireless MPG Control Pendant
• USB Wireless Transmitter / Receiver
• Mounting Bracket

Compatible with CNC12 software
in conjunction with Centroid Hardware:

Allin1DC™

OAK™   Acorn CNC™

CENTROID™

www.centroidcnc.com

Acorn Requirements:

- Acorn CNC12 v4.64+ w/ Mill Pro, Lathe Pro, Digitizing Bundle, *Plasma Pro, or *Plasma Ulitmate License
- A CNCPC that meets Acorn CNCPC requirements (see Acorn Install manual or the Acorn "start here" page for more info).

Acorn wirelsss MPG Installation Instructions

1. **Remove MPG finger knob from battery compartment** and install onto MPG wheel.
2. Install 2 good quality AA batteries.
3. Plug USB transmitter in USB port on the CNCPC. Reboot CNCPC at this point.
4. Start CNC12, verify Pro or Ultimate License is installed, open Centroid Wizard Tab #4 "Control Peripherals" and select "WMPG-4" or "WMPG-4 Plasma", Press Write Settings to CNC control Configuration. Follow instructions on the screen.
5. Turn on MPG by depressing and releasing the large chrome ON/OFF button on the MPG.
6. Start CNC12, home the machine.
7. Select which axis to move, X, Y, Z or 4th with the axis selection knob.
8. Select the increment desired x1, x10 or x100.
9. Rotate the MPG wheel Clockwise for positive direction axis motion.

Notes:

- **MPG wheel finger knob is located in the battery compartment** remove and and install onto MPG wheel.

- LCD Screen has a protective plastic film on it, use clean fingernail to lift up at corner and remove.

- "No RF" message means MGP is not seeing the transmitter/receiver, most common cause is the Windows PC did not mount the USB transmitter. Solutions: Move to different USB port and reboot PC.

- Value for the x1 Jog Increment for the MPG wheel is set in the Wizard Axis configuration menu, Default value for Plasma and Router is .001" or .0254 mm for Mill and Lathe Default value is .0001"

- * Plasma WMPG-4 requires CNC12 version v4.80 or higher.

Oak, Allin1DC and MPU11 system Requirements:
CNC12 v4.20+ with Pro or Ultimate License

Oak,Red Oak, MPU11 and Allin1DC wireless MPG Installation Instructions

1. Remove MPG finger knob from battery compartment and install onto MPG wheel.
2. Install 2 good quality AA batteries.
3. Plug USB transmitter in USB port on the CNCPC, reboot PC.
4. Start CNC12, and open CNC12 Utility Menu, press "Options" and "Import License" and install Pro or Ultimate license
5. F1 Setup, F3 Config, F3 Parameters (pass is 137). Then set MPG CNC12 parameter #218 = 15 for 4 axis Mills/Routers, #218=7 for 3 axis Mills/Routers and #218 = 3 for Lathes.
6. Set MPG CNC12 parameter #348 = 15 (MPG ON) and #349 & #350 = 100 (100 steps per rev), Set # 411 = 1 (WMPG-4) F10 Save. Exit out of Parameters.
7. Shut Down and restart CNC12 for new parameters to take effect.
8. Turn on MPG by depressing and releasing the large chrome ON/OFF button on the MPG.
9. Select which axis to move, X, Y, Z or 4th with the axis selection knob.
10. Select the increment desired x1, x10 or x100.
11. Rotate the MPG wheel Clockwise for positive direction axis motion.