CandCNC RC400 Remote Console Wireless Tablet User Guide

**RC400 REMOTE CONSOLE
WIRELESS TABLET
User Guide**
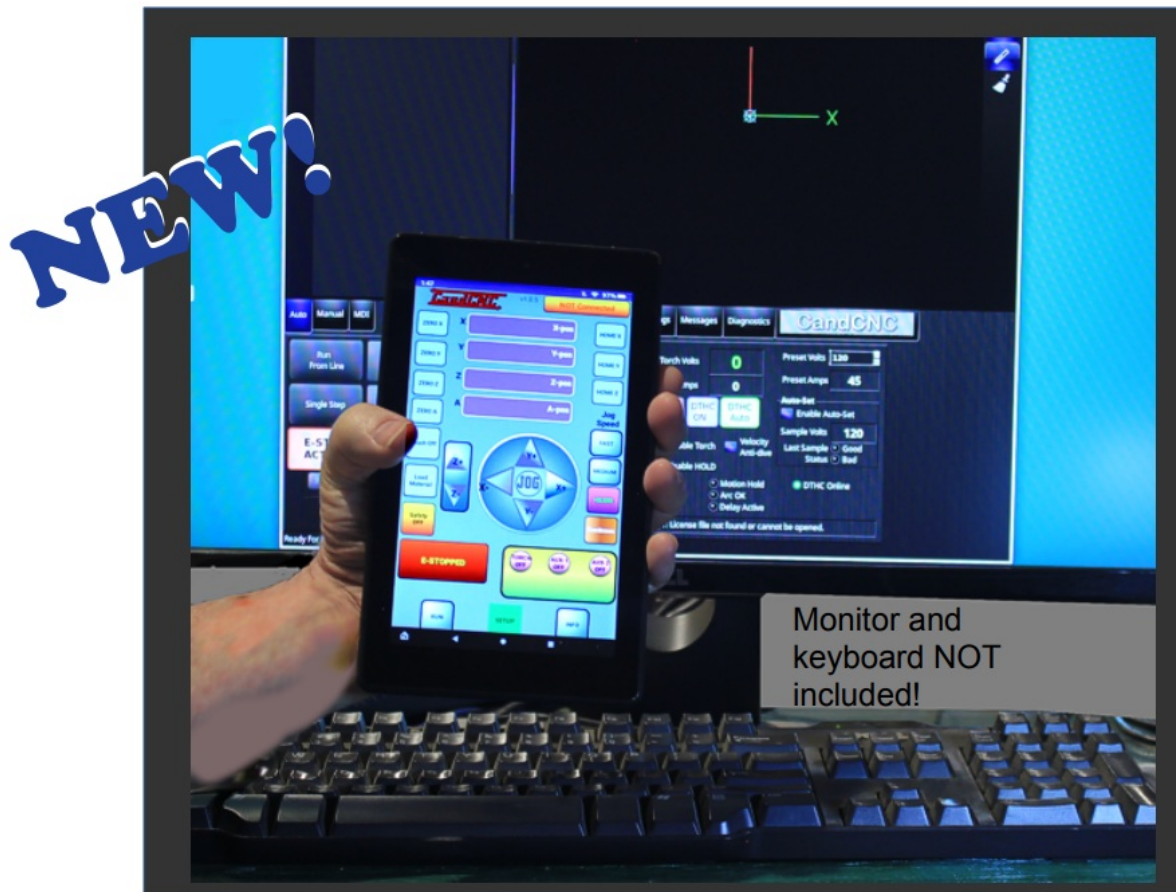
Contents

RC400 Remote Console Wireless Tablet
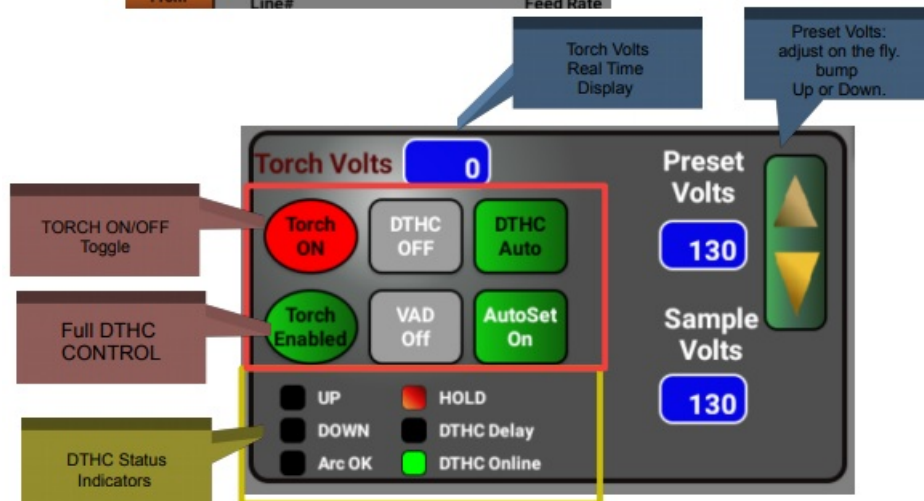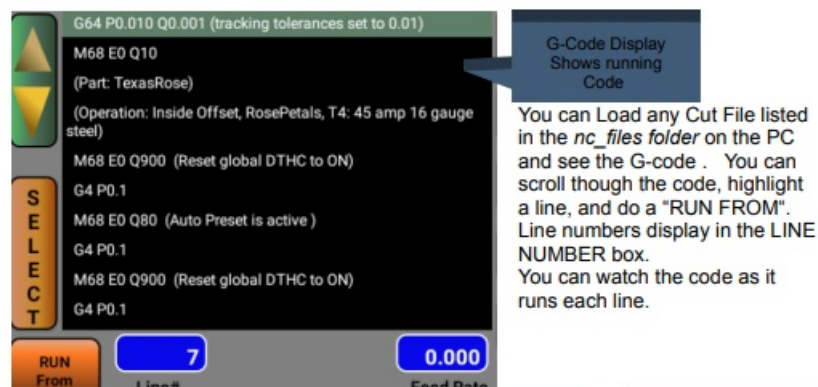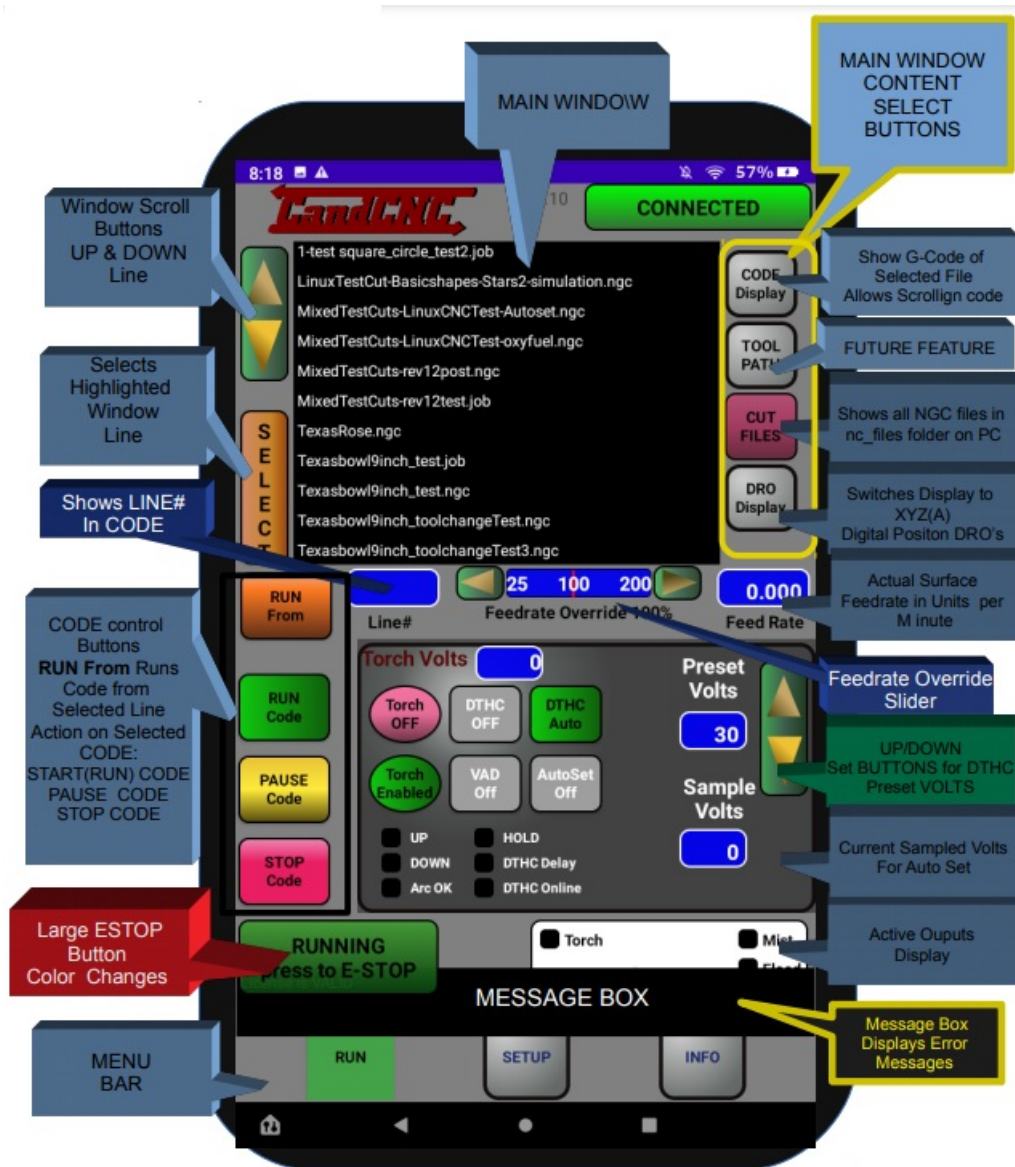
- Over 50 functions done IN SYNC with PC Console…use either one.
- High Resolution 600 X 1024 screen image.
- Real 802.11 WIFI Networking for reliable error free communications.
- MORE than a simple JOG pendant.
- Complete SETUP functons for 8 way jog, homing, axis zeroing, increment precise jog to a spot, special setup functions.
- Support for Plasma (with DTHC) , Router (with Spindle) and Oxy-Fuel
- Usable with all 64 bit CommandCNC™ installs including older MESA/UBOB models.
- Includes updated release of CommandCNC (Free).
- Complete Instruction Manual with section for WIFI setup.
- Free Software Updates for 1 year. Low cost Maintenance afterwards.
- Price Includes Pre-Loaded 7 x 10 tablet.
- Limited Time Offer .
- 1 Year Warranty* Low cost tablet replacement fee of $95.00 exchange .
- * warranty does not cover physical damage to tablet

The RC400 is a multifuction Remote Console designed to work with LINUX based CommandCNC™ running on specicifc hardware. The Android based application only runs with CommandCNC Release 1.3.0 or higher (supplied with the "kit" and comes pre-loaded on a tablet supplied by CandCNC. It will not run on an Android Phone, or any IOS based device. The application is licensed to run with a specific CommandCNC™ based controller and will not connect or communicate with any other controller or even another CommandCNC controller its not licensed to run with This prevents one tablet from interfering with, or controlling other machines with a similar tablet. Thus one tablet can control ONE machine / controller its licensed to.

RC-400 Wireless Tablet
Remote Console

WIFI ICON
Battery Conditon

POSITION READOUTS (DRO's)

Connection to PC (Server) Status

Set WORK Zero for All Active Axis

Move to HOME Buttons. 4 th axis Shows up if SETUP

8:15

v1.0.10

CONNECTED

ZERO X

X   5.655

HOME X

ZERO Y

Y   12.981

HOME Y

ZERO Z

Z   0.000

HOME Z

Performs Manual Z TOUCH-OFF To find Top of Material

Z Axis JOG UP and DOWN

8 WAY JOG BUTTON

Jog Speed

Jog Increment

8 WAY JOG
Three JOG CONTINUOUS JOG SPEEDS

Moves Gantry in XYZ to LOAD MATERIAL Position

Touch Off

Z+

Y+

FAST

.1

Switch to INCREMENTAL Have the DISTANCE . Single tap Mode

Load Material

X-   JOG   X+

MEDIUM

.01

Z-

Y-

>SLOW

>.001

4 Positon Jog On Incremental

Output Safety LOCK

Safety ON

Continous

Increment

Large ESTOP Button Color Changes

RUNNING press to E-STOP

TORCH OFF

MIST OFF

FLOOD OFF

OUPUTS (up to 6) Toggle ON/OFF

MENU BAR

RUN

SETUP

INFO

MAIN WINDOW

MAIN WINDOW CONTENT SELECT BUTTONS

8:18 ▦ ◭   ⌀ 🛜 57% 🔋
CandCNC   :10   CONNECTED

Window Scroll Buttons UP & DOWN Line

1-test square_circle_test2.job
LinuxTestCut-Basicshapes-Stars2-simulation.ngc
MixedTestCuts-LinuxCNCTest-Autoset.ngc
MixedTestCuts-LinuxCNCTest-oxyfuel.ngc
MixedTestCuts-rev12post.ngc
MixedTestCuts-rev12test.job
TexasRose.ngc
Texasbowl9inch_test.job
Texasbowl9inch_test.ngc
Texasbowl9inch_toolchangeTest.ngc
Texasbowl9inch_toolchangeTest3.ngc

Selects Highlighted Window Line

SELECT

Show G-Code of Selected File Allows Scrollign code

CODE Display

TOOL PATH

FUTURE FEATURE

CUT FILES

Shows all NGC files in nc_files folder on PC

DRO Display

Switches Display to XYZ(A) Digital Positon DRO's

Shows LINE# In CODE

RUN From

Line#   25 100 200 ▶   0.000
        Feedrate Override 100%   Feed Rate

Actual Surface Feedrate in Units per M inute

CODE control Buttons
RUN From Runs Code from Selected Line Action on Selected CODE:
START(RUN) CODE
PAUSE CODE
STOP CODE

RUN Code

PAUSE Code

STOP Code

Torch Volts   0   Preset Volts
Torch   DTHC   DTHC   30
OFF   OFF   Auto
Torch   VAD   AutoSet   Sample
Enabled Off   Off   Volts
■ UP   ■ HOLD   0
■ DOWN   ■ DTHC Delay
■ Arc OK ■ DTHC Online

Feedrate Override Slider

UP/DOWN Set BUTTONS for DTHC Preset VOLTS

Current Sampled Volts For Auto Set

Large ESTOP Button Color Changes

RUNNING Press to E-STOP

■ Torch   ■ Mist

MESSAGE BOX

Active Ouputs Display

Message Box Displays Error Messages

MENU BAR

RUN   SETUP   INFO

⌂ ◀ ● ■

G64 P0.010 Q0.001 (tracking tolerances set to 0.01)
M68 E0 Q10
(Part: TexasRose)
(Operation: Inside Offset, RosePetals, T4: 45 amp 16 gauge steel)
M68 E0 Q900 (Reset global DTHC to ON)
G4 P0.1
M68 E0 Q80 (Auto Preset is active)
G4 P0.1
M68 E0 Q900 (Reset global DTHC to ON)
G4 P0.1

SELECT

RUN From   7   0.000
              Line#   Feed Rate

G-Code Display Shows running Code

You can Load any Cut File listed in the nc_files folder on the PC and see the G-code . You can scroll though the code, highlight a line, and do a "RUN FROM". Line numbers display in the LINE NUMBER box.
You can watch the code as it runs each line.

Torch Volts Real Time Display

Preset Volts: adjust on the fly. bump Up or Down.

Torch Volts   0   Preset Volts

TORCH ON/OFF Toggle

Torch   DTHC   DTHC   130
ON   OFF   Auto

Full DTHC CONTROL

Torch   VAD   AutoSet   Sample
Enabled Off   On   Volts

■ UP   ■ HOLD   130
■ DOWN   ■ DTHC Delay
■ Arc OK ■ DTHC Online

DTHC Status Indicators

Run time DTHC controls allow for precise remote control of all the DTHC functions . Manual Torch ON/OFF, DTHC ON/OFF,
DTHC AUTO/MANUAL TORCH DISABLED (test run) VELOCITY ANTI-DIVE ON/OFF (VAD) , AUTOSET ON/OFF.

PREREQUISITES

1. CommandCNC™ 1.1.0 64 bit or higher on LINUX 18.04*

2. CandCNC Bladerunner Ethercut, G5/G5A/G5XL , MP3700 or any upgraded system with EBOB or older UBOB with MESA 7i92 card.

   * ugrade to CommandCNC™1.3.0 or higher is prvider free with RC400 purchase.

   If ordered with a new system the upgrade will be inwsd and tested.

Documents / Resources

CandCNC RC400 Remote Console Wireless Tablet [pdf] User Guide
RC400, Remote Console Wireless Tablet, Wireless Tablet, Remote Console Tablet, Tablet

Manuals+,