Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Quick Reference WD1 / 1M Stations

Desired Setting/Function	Operating Sequence

Control Value Up ▲ (Scroll to new value)

Control Value Down ▼ (Scroll to new value)

Temperature Setting:

With Scroll Keys — ▲ or ▼ (Set Point displayed for 3 seconds) ⇨ ▲ or ▼ (Scroll to new Value)

With Radio Button Pre-Sets — ⌐I¬, ⌐II¬, or ⌐III¬ (Momentarily depress Radio Button indicating desired Pre-Set temperature value)

Changing Radio Button Pre-Set Values — ▲ or ▼ (Depress ▲ or ▼ until desired new Pre-Set Value is indicated in large display)
⌐I¬, ⌐II¬, or ⌐III¬ (To assign value depress and hold desired Radio Button until Pre-Set Display stops blinking)

Selecting Menu 1 — ▲ + ▼ (Depress ▲▼ simultaneously and hold for (2) Seconds. Release when "1" appears in display.)

Menu Navigation —
⌐I¬ - Backward (previous item in menu)
⌐II¬ - Forward (next item in menu)
⌐III¬ - Exit menu and enter all new values into memory

Setting Value for Menu Items — ▲ or ▼

Special Functions Menu 1	Range of Values
STANDBY (temperature)	200°F (93°C) - 600°F (316°C)
SETBACK (time - min)	0 min (default – Setback off); "On" (controlled to standby temp. when tool placed in Stop and Go stand); 1-99min (SETBACK On to specific time settings)
AUTO OFF (time - min)	0 min (default – Auto off switched off); 1-999min (specific time settings)
OFFSET (temperature)	+/-72°F (40°C)
WINDOW (temperature)	+/-180°F(99°C) - Half of setting above and half below locked temp
°F / °C (unit of measure)	°F/ °C - Up or Down Scroll key will toggle unit of measure
LOCK 🔒	"On"/"Off" – code selectable 1-999. For lost codes, in Menu 1 depress and hold RB1 for 9-digit number in Pre-Set area of display

Selecting Menu 2 — ▲ + ▼ (Depress ▲▼ simultaneously and hold for (4) Seconds. Release when "2" appears in the display.)

Special Functions Menu 2	Range of Values
ID	0-999 (For use with USB and software identification)
FCC (Factory Control Check)	▼Low 212°F(100°C) ▲ High 842°F(450°C) – Offset per measurement reading of external instrument +/- 72°F(40°C) – RB2 to enter offset value – RB3 to exit and save

To Lock Station (From "Lock" in Menu 1)   Code with ▲ or ▼⇨ ⌐ III ⌐ Scroll to desired code⇨Depress RB3 for 5 secs or until large display stops blinking

To Unlock Station (From "Lock" in Menu 1)   Code with ▲ or ▼⇨ ⌐ III ⌐ Scroll to code ⇨After code is entered, depress RB3 momentarily to enter, exit, unlock

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Factory Reset (From Menu 1or 2)*   ⌐ III ⌐ and Hold ▲+ ▼(Depress and hold RB3 then Up and Down Scroll keys simultaneously. Release three
                                                keys when "FSE" appears in display.)

*Factory Reset can be performed from any Menu 1 function on any channel. It resets all Menu 1 and most Menu 2 functions for all channels to factory default values. It does not reset temperature offsets previously entered in the Menu 2 FCC function for any channel. Factory Reset from Menu 2 can only be performed from the FCC function of any channel. It specifically resets FCC function offsets for all channels to factory default values and does not reset other Menu 1 or Menu 2 functions.

Setback and Auto Off Settings:

Settings		Tool Operation without Switching Holder
SETBACK Time (1-99 min)	OFF Time (1-999 min)	
0 / ON	0	Soldering tool remains at the Set soldering temperature.
0 / ON	Time	Soldering tool is switched off when not in use[1] after the OFF time has elapsed.
Time	0	Soldering tool is controlled down when not in use[1] to the STANDBY temperature[2] after the SETBACK time has elapsed.
Time	Time	Soldering tool is controlled down when not in use[1] to the STANDBY temperature[2] after the SETBACK time has elapsed and is switched off after the OFF time has elapsed.
		Tool Operation with Switching Holder
0	0	Soldering is switched off in the holder[3].
ON	0	Soldering tool is controlled to the STANDBY temperature[2] when in the holder[3].
0	Time	Soldering tool is switched off after the OFF time has elapsed when in the holder[3].
ON	Time	Soldering tool is controlled to the STANDBY temperature[2] and is switched off after the OFF time has elapsed when in the holder[3].
Time	0	Soldering tool is controlled to the STANDBY temperature[2] after the SETBACK time has elapsed when in the holder[3].
Time	Time	Soldering tool is controlled to the STANDBY temperature[2] after the SETBACK time has elapsed and is switched off after the OFF time has elapsed when in the holder[3].

[1] Not in use = UP/DOWN Scroll Keys not depressed and no temperature drop > 9°F (5°C).

[2] STANDBY temperature must be below the Set temperature, otherwise the SETBACK function is inactive.

[3] When a switching holder is connected, the soldering tool always remains at the Set temperature outside the holder.
    The holder function is activated when the soldering tool is placed in the holder for the first time.

Note   Reset of STANDBY and AUTO OFF modes:
        – without switching holder, by depressing the UP or DOWN Scroll Keys.
        – with switching holder, by removing the soldering tool from the holder.

Minimum/Maximum Settings:

Power

WD1   95 watts (1 channel operating 1 tool up to 80 watts)

WD1M   > April 2007; 160 watts (1 channel operating 1 tool up to 150 watts)

Tool Temperature

WSP150 & WP120 Soldering Irons   150°F – 950°F (50°C – 550°C)

Soldering Tools   150°F – 850°F (50°C – 450°C)