

Quick Reference WD2 / 2M Stations 2006 Models

Desired Setting/Function

Operating Sequence

Channel Selected with
Channel On/Off

⌈ 1 ⌋, ⌈ 1 ⌋-1111 ⌋, or ⌈ 2 ⌋
▲ + ▼ (Depress simultaneously and release)

Control Value Up
Control Value Down

▲ (Scroll to new value)
▼ (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

▲ or ▼ (Select channel and/or momentarily depress Up or Down Scroll key – Pre-Sets displayed for 3 s)
⌈ 1 ⌋-1111 ⌋ (Depress radio button ⌈ 1 ⌋-1111 ⌋ – Pre-Sets displayed for 3 s)
⌈ 1 ⌋, ⌈ 1 ⌋-1111 ⌋, or ⌈ 2 ⌋ (Momentarily depress Radio Button indicating desired Pre-Set temperature value)

Changing Radio Button Pre-Set Values

▲ or ▼ (Select channel ⇒ ▲ or ▼ until desired new Pre-Set Value is indicated in large display)
⌈ 1 ⌋, ⌈ 1 ⌋-1111 ⌋, or ⌈ 2 ⌋ (To assign value depress and hold desired Radio Button until Pre-Set Display stops blinking)

Selecting Menu 1


▲ + ▼ (Select the desired channel ⇒ Depress ▲▼ simultaneously and hold for (2) Seconds.
Release when "1" appears in display.)

Menu Navigation

⌈ 1 ⌋ - Backward (previous item in menu)
⌈ 1 ⌋-1111 ⌋ - Forward (next item in menu)
⌈ 2 ⌋ - 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

▲ + ▼ (Select the desired channel ⇒ 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 ▼ ⇒ r 2 7 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 ▼ ⇒ r 2 7 Scroll to code ⇒ After code is entered, depress RB3 momentarily to enter, exit, unlock
Factory Reset (From Menu 1 or 2)*	r 2 7 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 (0-99) min	OFF Time (0-999) min	
0	0	Soldering tool remains at the Set soldering temperature.
ON	0	
0	Time	Soldering tool is switched off when not in use ¹⁾ after the OFF time has elapsed.
ON	Time	
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

WD2 / WD2M

160 watts (2 independent channels with simultaneous operation of 2 tools totaling 160 watts)

Tool Temperature

WSP150 & WP120 Soldering Irons
Soldering Tools

150°F – 950°F (50°C – 550°C)
150°F – 850°F (50°C – 450°C)

Quick Reference WD2 / 2M Stations

Desired Setting/Function

Operating Sequence

Channel Selected with
Channel On/Off

┆ 1 ┆, ┆ 1:2 ┆, or ┆ 2 ┆
▲ + ▼ (Depress simultaneously and release)

Control Value Up
Control Value Down

▲ (Scroll to new value)
▼ (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

▲ or ▼ (Select channel and/or momentarily depress Up or Down Scroll key -- Pre-Sets displayed for 3 s)
┆ 1 ┆, ┆ 1:2 ┆, or ┆ 2 ┆ (Momentarily depress Radio Button indicating desired Pre-Set temperature value)

Changing Radio Button Pre-Set Values

▲ or ▼ (Select channel ⇨ ▲ or ▼ until desired new Pre-Set Value is indicated in large display)
┆ 1 ┆, ┆ 1:2 ┆, or ┆ 2 ┆ (To assign value depress and hold desired Radio Button until Pre-Set Display stops blinking)

Selecting Menu 1


▲ + ▼ (Select the desired channel ⇨ Depress ▲▼ simultaneously and hold for (2) Seconds.
Release when "1" appears in display.)

Menu Navigation

┆ 1 ┆ - Backward (next item in menu)
┆ 1:2 ┆ - Forward (previous item in menu)
┆ 2 ┆ - 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

▲ + ▼ (Select the desired channel ⇨ 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 ▼ ⇒ [2] 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 ▼ ⇒ [2] Scroll to code ⇒ After code is entered, depress RB3 momentarily to enter, exit, unlock
Factory Reset (From Menu 1 or 2)*	[2] 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	0	Soldering tool remains at the Set soldering temperature.
ON		
0	Time	Soldering tool is switched off when not in use ¹⁾ after the OFF time has elapsed.
ON		
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

WD2 / WD2M

160 watts (2 independent channels with simultaneous operation of 2 tools totaling 160 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)