

WX smart

**CONNECTING
THE FUTURE OF SOLDERING**

Weller



**Xperience
Summit**

Introduction to Wxsmart

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Sales Manager Weller
Southern Europe**





Say hello to WXsmart!

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Weller WXsmart: Connecting the Future of Soldering

<https://youtu.be/w8taHwnQBEl?si=q-WapM3BCO57wOux>



Introduction to WXsmart

WXsmart Main Selling Points

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Multiple industries

- ✓ Electronics
- ✓ Medical Device Manufacturer
- ✓ Aerospace
- ✓ Automotive
- ✓ LED and Solar Technology

Multiple users

- ✓ Operators
- ✓ Supervisors
- ✓ Research & Development
- ✓ Repair Departments

Covers all soldering applications

- ✓ High precision soldering (Pico)
- ✓ General purpose soldering (Micro)
- ✓ Heavy duty soldering (Ultra)

Soldering Irons

Active-Tip Heating Technology

- WXDPS MS **NEW**
- WXDP MS
- WXMP MS
- WXDPS MS **NEW**
- WXLP MS

Power-Response Heating Technology

- WXP 65
- WXP 90
- WXP 120
- WXP 200

Silver-Line Heating Technology

- WXP 80

Accessories

- WXDP 120 Preheating plate
- WXSB 200 Soldering bath
- NEW** WCU Temperature Measurement Device
- NEW** WXAIR 2-in-1 rework module with 2 channels: vacuum and air
- WHP 1000 Preheating plate
- WHP 2000 Insulated preheating plate 600 W or 1200 W



Hot Air Iron

WXDAP 200

Desoldering Iron / Tweezers

- WXDN 120
- WXDN 120
- WXDT

Fume extractions

- Zero Smog 4V
- Zero Smog 6V
- Zero Smog 20T
- WFV60A Stop valve 230V

Key Benefits:

- Wide, ESD safe, Heat-resistant, patented touch screen
- Intuitive use - *no need of training*
- Stackable on each other – **saving space**
- High power 2-channel station (300W*) with intelligent power management
- Highest Connectivity and Flexibility: backward compatibility with all 3 Weller's heating technologies
- New smart tools connectable



WXsmart Compatible Tips & Tools

Weller



WXsmart Line



SMART ACTIVE TIPS
connectable to



WXMPS MS



WXUPS MS

ACTIVE TIPS
connectable to



WXMT (& MS)



WXPP (& MS)



WXMP (& MS)



WXUP MS

PASSIVE TIPS
connectable to



WXP65



WXP80



WXP90



WXP120



WXP200



WXDP 120



WXDV 120



WXHAP 200



Introduction to WXsmart

Smart Tools

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Key Benefits:

- Patented RGB-Ring light **Easy control**
- **High power** Ultra + **2 in 1** Micro & Pico
- New **Tip Information System**
- **Highest control**, tip specific





WXsmart Tips & Tools

Intelligent Tool with Data Storage

Weller



- ✓ Intelligent Easy Tool Identification
- ✓ Tool Detection
- ✓ Save Individual Soldering Processes
- ✓ Reduced Energy consumption
- ✓ Maximum protection
- ✓ 64 different smart soldering tips
- ✓ 21 different smart desoldering heads

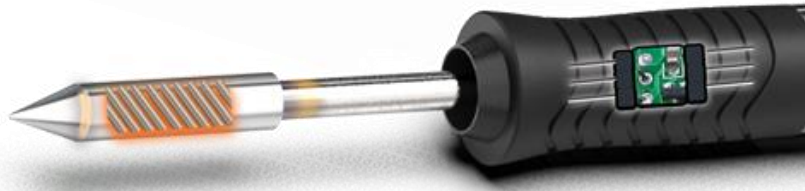




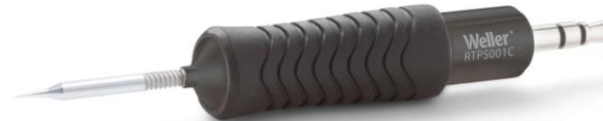
WXsmart Tips & Tools

Intelligent Tip with Data Storage

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- ✓ Extremely fast heat up time
- ✓ Maximum precision
- ✓ Clear identification of Smart Tips
- ✓ Full process control
- ✓ Patented tip to grip design
- ✓ Fast, Safe & Easy Tip Exchange
- ✓ Full traceability



RTPS



RTWPS



RTMS



RTWMS



RTUS



RTWUS



WXsmart







How to movies

Weller



WXS - How to
WellerTools - 1/34

⏪ ⏩

- ▶  **0:59** How to set up a new admin & locked user, of the WellerTool...
WellerTools
- 2  **0:21** How to connect a WXSb 200 on a WellerTools WXSmart
WellerTools
- 3  **0:19** How to connect a WXHP 120 on a WellerTools WXSmart
WellerTools
- 4  **0:15** How to use a WellerTools WX stations and Wxair
WellerTools
- 5  **0:38** How to change the tool settings of the WellerTools...
WellerTools
- 6  **0:18** How to change the colour settings of the WellerTools...
WellerTools



<https://www.youtube.com/watch?v=IS5Fk9tWWLM&list=PLsRp37s1alpg3VjBjPUOHltg1fYkRPoju>



New Smart Tweezers



Weller WXMTS/WXUTS de-soldering tweezers

<https://youtu.be/3cIO7Q6sVwY?si=Aou8XrmF64Li-zNa>

<https://youtu.be/qarcqoJ7Cxg?si=WXrIf4fukb3rF8ZA>



WXsmart Compatible Tips & Tools

Weller



WXsmart Line



SMART ACTIVE TIPS
connectable to



WXMPS MS

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ACTIVE TIPS
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WXMT (& MS)

WXPP (& MS)

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WXUP MS

PASSIVE TIPS
connectable to



WXP65

WXP80

WXP90

WXP120

WXP200



WXDP 120



WXDV 120



WXHAP 200



Introduction to WXsmart

WCU – Precision Temperature Testing Device

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Key Benefits:

Tech Aspect: High-Precision, ESD Safe, Mobile & Low Energy Consumption, Intuitive Navigation, Simultaneous Use of Thermocross and Thermocouple, Temperature Measurement Count and Max Hold functions

Selling Points:

- Fast & easy to use and competitively priced
- Can be used with any other soldering iron
- Spare sensors available
- Can be calibrated by our Repair Service (once per year)
- Auto calibration function with all Weller WX units
- Smart calibration with Weller smart tools & tips



Typ K, Ø 0,5 mm





Introduction to WXsmart

WCU – Smart Calibration

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Temperature Measurement Device WCU
How to calibrate



https://youtu.be/f6L_ZzSBueY?si=b7IY_8TrQS13FhC4



Introduction to WXsmart

Benchtop Controller – External Accessories

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- WXsmart is the working hub of the desk space
- Connectivity to your network for plug in devices and accessories
- Filtration has increased control
- Filter % capacity and airspeed is shown in real-time
- No more guess work – filter replacement when needed





Introduction to WXsmart

Dashboard and Data Logging

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- Control & station monitoring and app solution
- Production management overview
- Cyber Security is 2 step - Safe and secure
- Work-load of users in real time
- WXSmart can be used for Total Process Control

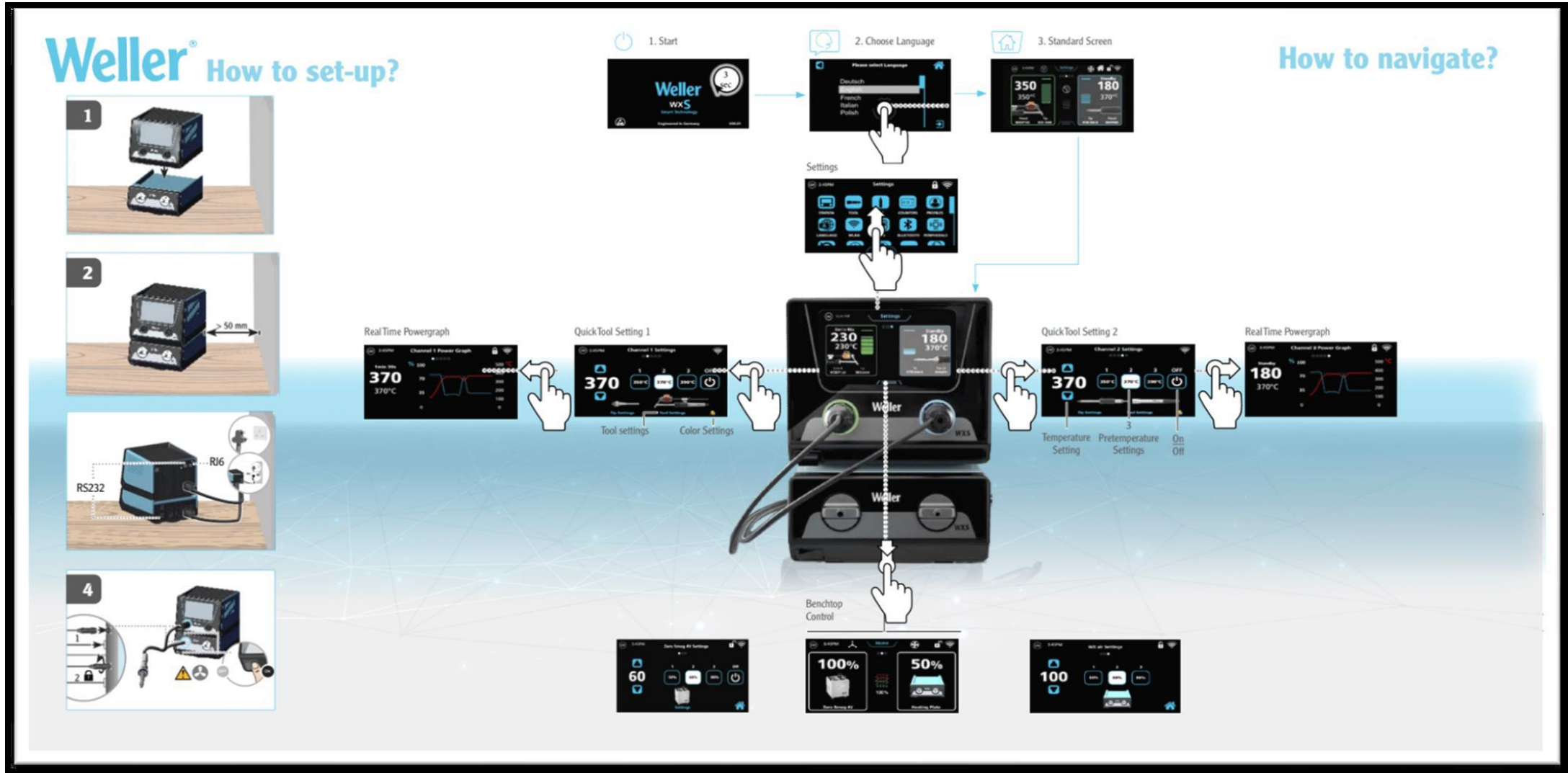
Data extracted from WXsmart can be accessed:

1. USB Data Logging
2. Via Weller Traceability Software (lite version comes free with the unit)
3. Industry standard MES Integration (MQTT)





Swiping system





Paid software functions

Weller



4 functions available on demand

Calibration Manager

Perfect to program your calibration routine (every tip change, switch on/off the unit, x hours...)

Tracking

To create a sample to be achieved and to which user will be compared

Profile

To set different parameters and create ramps





QR code scanning feature

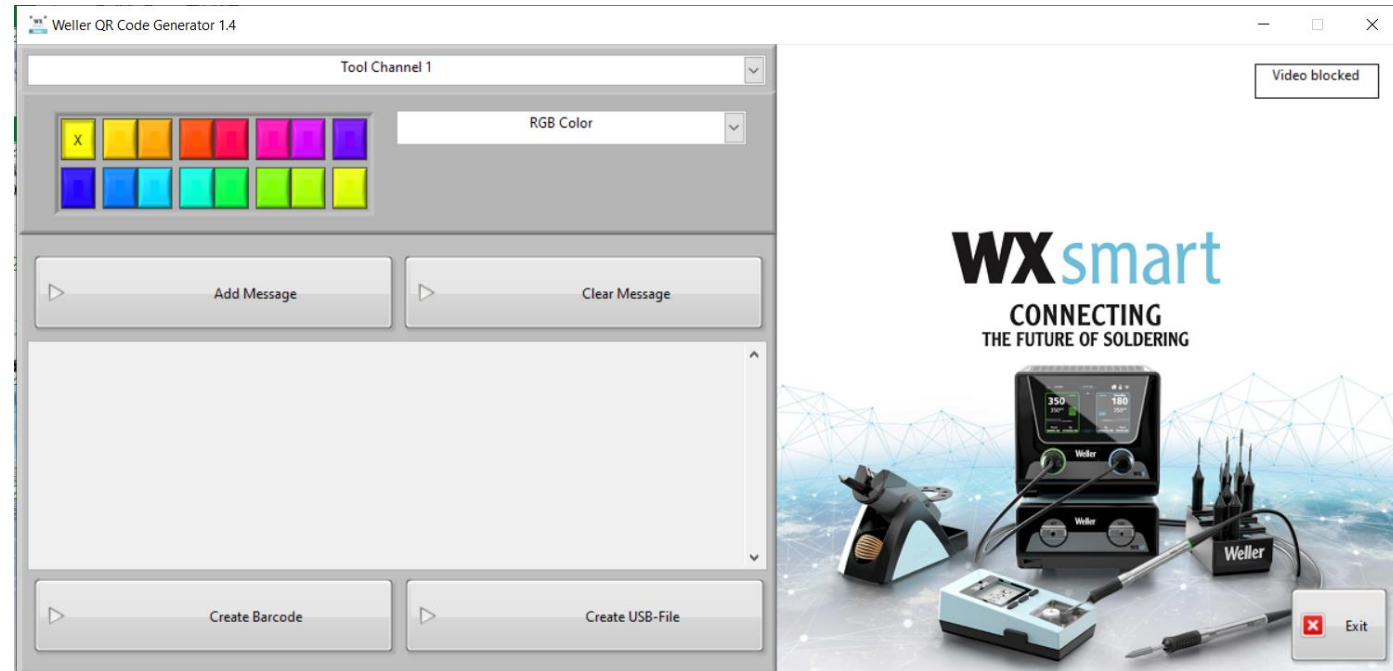
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Program with just a scan

Easiest way to change any working parameters of your WXsmart environment.

No need of setting, just create your image with Weller QR Code Generator, connect your USB scanner and read them!





Barcode scanning feature

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Channel 1 yellow, 350°
Channel 2 purple, 377°



Lights off
Channel 1 333°
Channel 2 300°



Channel 1 purple, 300°
Channel 2 yellow, 330°



Channel 1 green 300°
Channel 2 blue, 330°



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**Is there any questions or comments?
Hvala for your participation!**

Luca Conte and the Weller Team

**Follow us on  Weller Tools & Luca Conte
 @WellerSoldering**