SRB HA MOBILE SMI

SRB HA MOBILE HMI

2020-04-03

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INTRODUCTION

This guide will explain the content and functionality of the RHMI on the SRB HA tool and on the MOBILE HMI which is used after logging on to the web server on the tool/.

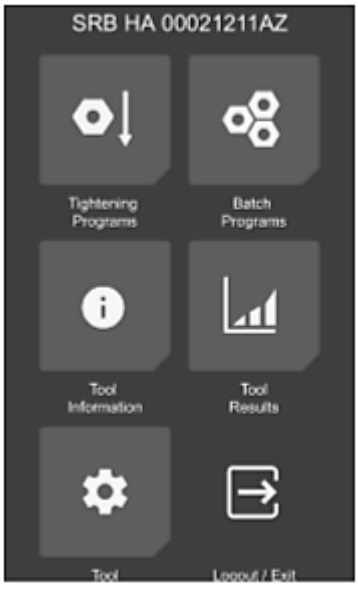
Default SSID: SRBHA [serial number]

Default Password: 12345678

Default IP Address: 192.168.2.1

BASIC MENU

After logging on you will find this screen which is the Basic Menu



Tightening Programs – This is where you can configure your 10 Psets / Smart Programs

Batch Programs – This is where you can configure your 10 Batches

Tool Information – This is where you can find basic info of your tool

Tool results – Here you download the stored tightening data from the tool

Tool configuration – Here you can change the settings of the tool

Logout / Exit – ALWAYS press this Icon when you are done with your configuration. It disabled the access point and saves battery.

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Tightening Programs

Here you can program 10 Psets. Either select an existing program to edit or select <create new>

Always press save when you are done with the set up.

There will be two main strategies; Tighten to torque or Tighten to torque + angle.

<u>Tighten to Torque:</u>

You are required to set up: Name and Target torque (10-100% of tools capacity)

CW/CCW Tightening direction ***(Not implemented 2020-04-03)***

Rundown Speed: 50 / 75 / 100%

Torque Tolerance: +- What percentage for an OK/NOK Tightening based on result

Min / Max Angle measured from Rundown complete

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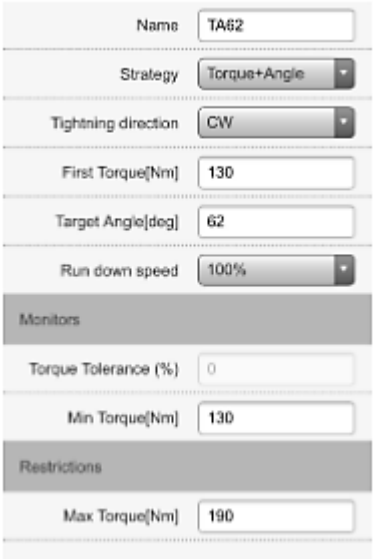
Tighten to Torque + Angle:

You are required to set up: Name, first torque and target angle



The tolerance for OK is +- 3 degrees

Rundown speed: 50 / 75 / 100%

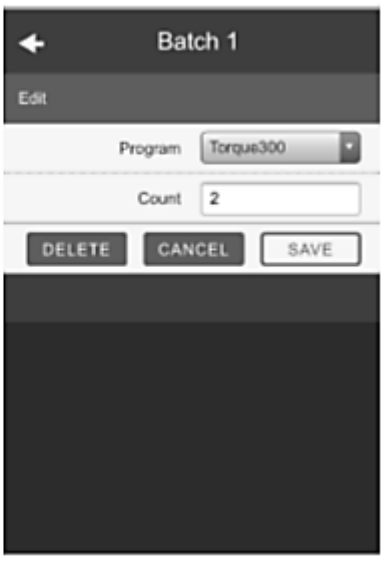
Min Torque default = First torque

Max Torque default = Tool max Torque

BATCH PROGRAMS

Here we can program up to 10 batches. A batch consists of one Smart program and a count 1-250

Always press save when you are done with setup



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TOOL INFORMATION

Basic Tool Information

TOOL CONFIGURATION

Here you can change some basic settings including time and date

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TOOL RESULTS

When pressing this you will get two options; View or Download

If you press View it will open on your device

Easiest way if you use your phone is then to (Example from IPhone) attach it to an email and sent it to whoever is required

What it looks like:

Date and time	Tool serial	Tightening status	Tightening status info	Tightening program type	Custom ID	Target torque	Target angle[deg]	Final torque	Final angle[deg]	Torque unit
2020-03-30 09:38	Z1690001	OK	-	Quick torque set	-	715	0	720	110	Nm
2020-03-30 09:38	Z1690001	OK	-	Quick torque set	-	715	0	726	182	Nm
2020-03-30 09:38	Z1690001	NOK	Tightening not OK	Quick torque set	-	130	0	170	0	Nm
2020-03-30 09:38	Z1690001	NOK	Tightening not OK	Quick torque set	-	130	0	213	1	Nm
2020-03-30 09:38	Z1690001	NOK	Tightening not OK	Quick torque set	-	130	0	210	1	Nm
2020-03-30 09:39	Z1690001	OK	-	Quick torque set	-	130	0	130	62	Nm
2020-03-30 09:39	Z1690001	OK	-	Quick torque set	-	1300	0	1311	169	Nm
2020-03-30 09:40	Z1690001	NOK	Tightening not OK	P0:Torque300	-	300	0	119	50	Nm
2020-03-30 09:40	Z1690001	NOK	Tightening not OK	P0:Torque300	-	300	0	233	50	Nm
2020-03-30 09:40	Z1690001	OK	-	P0:Torque300	-	300	0	300	25	Nm
2020-03-30 09:40	Z1690001	NOK	Tightening not OK	P0:Torque400	-	400	0	410	154	Nm
2020-03-30 09:41	Z1690001	OK	-	P0:Tolerance1	-	300	0	301	123	Nm

Custom ID will be the scanned Barcode once that is implemented ***(Not implemented 2020-04-03)***

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