



<b>CUSTOMER DOCUMENTATION</b>	<b>October 27<sup>th</sup> 2004</b>	<b>FIRMWARE</b>	<b>DASH ST1 Release history</b>
<b>Firmware Release history: DASH ST1</b>			

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**October 27<sup>th</sup> 2004** **Firmup4\_DASH\_031202.exe**

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<b>Logger</b>	<b>Version</b>	<b>Changes - Additions</b>
DASH ST1	1.26	<ul style="list-style-type: none"><li>• No firmware changes since last release</li><li>• Support for new USB drivers (10.01) made official; still supports old USB drivers (since Race Studio 2.17.xx)</li></ul>

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**December 2<sup>nd</sup>. 2003** **Firmup\_DASH\_031202.exe**

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<b>Logger</b>	<b>Version</b>	<b>Changes - Additions</b>
DASH ST1	1.26	<ul style="list-style-type: none"><li>• No firmware changes – More robust FIRMUP file architecture (Version 2.01)</li></ul>

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**December 2<sup>nd</sup>. 2003** **Firmup\_DASH\_031202.exe**

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<b>Logger</b>	<b>Version</b>	<b>Changes - Additions</b>
DASH ST1	1.26	<ul style="list-style-type: none"><li>• No firmware changes – More robust FIRMUP file architecture (Version 2.01)</li></ul>

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**February 7<sup>th</sup>. 2003** **Firmup\_EVO3\_030207.exe**

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<b>Logger</b>	<b>Version</b>	<b>Changes - Additions</b>
DASH ST1	1.26	<ul style="list-style-type: none"><li>• Before begin to record data with RPM or Speed then MENU key doesn't switch on / off backlight</li></ul>

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**February 4<sup>th</sup>. 2003** **Firmup\_EVO3\_030204.exe**

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<b>Logger</b>	<b>Version</b>	<b>Changes - Additions</b>
DASH ST1	1.25	<ul style="list-style-type: none"><li>• Fixed °F thermocouple conversion in dash</li></ul>

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**January 27<sup>th</sup>. 2003** **FirmUpAll\_030127.exe**

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<b>Logger</b>	<b>Version</b>	<b>Changes - Additions</b>
DASH ST1	1.23	<ul style="list-style-type: none"><li>• Negative cold junction fixed in StAlone and Dash versions + fixed Decimal point in Pressure Sensors</li></ul>

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**November 14<sup>th</sup>. 2002** **FirmUpAll\_021114.exe**

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<b>Logger</b>	<b>Version</b>	<b>Changes - Additions</b>
DASH ST1	1.21	<ul style="list-style-type: none"><li>• This version handles also the DCH11A card (for more sensors)</li><li>• Fixed odometer calculation.</li><li>• VDO sensors for pressure and temperature are available.</li><li>• Fixed the alarming for °F</li><li>• Dash: gear computed available.</li></ul>



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**August 2<sup>nd</sup>. 2002**

**FirmUpAll\_020802.exe**

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<b>Logger</b>	<b>Version</b>	<b>Changes - Additions</b>
DASH ST1	1.16	<ul style="list-style-type: none"><li>• Set scale 10.000 &amp; step_motor</li></ul>

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**July 18<sup>th</sup>. 2002**

**FirmUpAll\_020718.exe**

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<b>Logger</b>	<b>Version</b>	<b>Changes - Additions</b>
DASH ST1	1.15	<ul style="list-style-type: none"><li>• Fixed bug on dot point displayed always</li></ul>

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**July 15<sup>th</sup>. 2002**

**FirmUpAll\_020715.exe**

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<b>Logger</b>	<b>Version</b>	<b>Changes - Additions</b>
DASH ST1	1.14	<ul style="list-style-type: none"><li>• Added custom sensor.</li><li>• Now DCH11 can use all sensors but PT100 and custom may be only with 1 X Gain</li></ul>

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**July 12<sup>th</sup>. 2002**

**FirmUpAll\_020712.exe**

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<b>Logger</b>	<b>Version</b>	<b>Changes - Additions</b>
DASH ST1	1.13	<ul style="list-style-type: none"><li>• Fix Bug on receive CFG, Introduced OnLine, new gear function and online calibration</li></ul>

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**July 5<sup>th</sup>. 2002**

**FirmUpAll\_020705.exe**

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<b>Logger</b>	<b>Version</b>	<b>Changes - Additions</b>
DASH ST1	1.12	<ul style="list-style-type: none"><li>• Speed: diameter &amp; pulses were not correctly updated</li></ul>

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**June 11<sup>th</sup>. 2002**

**FirmUpAll\_020611.exe**

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<b>Logger</b>	<b>Version</b>	<b>Changes - Additions</b>
DASH ST1	1.11	<ul style="list-style-type: none"><li>• First version released with <b>FirmUpAll_yymmdd.exe</b></li></ul>