



**Supported Hardware:**

T-Link ICE board

**Software version:**

Setup file: TM52DII\_setupv1.05.15.94.R\_AP3A3\_V3.be.exe

IDE version:

Version number: 1.05.15.94.R

Build number: 000

F/W version: 3.be

**Supported Bodies:**

Flash: TM52F2230, TM52F2234, TM52F2260, TM52F2261, TM52F2264, TM52F2280, TM52F2284, TM52F2280B, TM52F2284B, TM52F5264, TM52F5268, TM52F5264B, TM52F5268B, TM52F5274, TM52F5278, TM52F5274B, TM52F5278B, TM52F5284, TM52F5288, TM52F5288C, TM52F5284C, TM52F5273, TM52F5276, TM52F2268, TM52F2230B, TM52F2234B, TM52F5250, TM52F5273B, TM52F5276B, TM52F5264C, TM52F5268C, TM52F5274C, TM52F5278C, TM52F6264, TM52F6268, TM52F3288, TM52F5473, TM52F5476, TM52F6273, TM52F6276, TM52F5250TSOP, TM52F8273, TM52F8274, TM52F8276, TM52F8278, TM52F8368, TM52F8273T, TM52F8274T, TM52F8276T, TM52F8278T, TM52FE8273, TM52FE8274, TM52FE8276, TM52FE8278, TM52F8558, TM52F8658, TM52FE8976

MTP : TM52M5254, TM52M5258, TM52M8253TST, TM52M8254, TM52M8258, TM52M8264, TM52M8268, TM52M8254B, TM52M8258B, TM52M8264B, TM52M8268B

**Changes in This Release:**

**Changes Notes:**

**[Important updates]**

None

**[New functions or enhancements]**

**[Problems fixed]**

1. Fix bug – The checksum is inconsistent between different version

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< TM52DII\_setupv1.05.15.92.R\_AP3A3\_V3.be >

**Changes in This Release:**

**Changes Notes:**

**[Important updates]**

None

**[New functions or enhancements]**

- ( 1)Add Chips - TM52F8558/ TM52F8658.
- ( 2)Add Chips - TM52FE8976.

**[Problems fixed]**

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< TM52DII\_setupv1.05.12.88.R\_AP3A3\_V3.be>

**Changes in This Release:**

**Changes Notes:**

**[Important updates]**

None

**[New functions or enhancements]**

- ( 1)Add Chips - TM52F8273T/74T/76T/78T.
- ( 2)Add Chips - TM52FE8273/74/76/78.
- ( 3)Add Chip - TM52F8558

**[Problems fixed]**

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< TM52DII\_setupv1.05.09.83.R\_AP3A3\_V3.bd>

**Changes in This Release:**

**Changes Notes:**

**[Important updates]**

None

**[New functions or enhancements]**

- ( 1)Add Chips - TM52F8368.

**[Problems fixed]**

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**Changes in This Release:**

**Changes Notes:**

**[Important updates]**

None

**[New functions or enhancements]**

- ( 1)Add Chips - TM52M8254B/58B/64B/68B.

**[Problems fixed]**

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< TM52DII\_setupv1.05.06.72.R\_AP3A3\_V3.be>

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**Changes in This Release:****Changes Notes:****[Important updates]**

None

**[New functions or enhancements]**

None

**[Problems fixed]****1. DLL**

- (1) Fix issue:TM52M8254/58/64/68 FIRC modified.
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&lt; TM52DII\_setupv1.05.06.70.R\_AP3A3\_V3.bc&gt;

**Changes in This Release:****Changes Notes:****[Important updates]**

None

**[New functions or enhancements]**

None

**[Problems fixed]****1. DLL**

- (1)Fix the download condition limit of TM52M8254/58/64/68.
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&lt; TM52DII\_setupv1.05.06.68.R\_AP3A3\_V3.bc&gt;

**Changes in This Release:****Changes Notes:****[Important updates]**

None

**[New functions or enhancements]****1. DLL**

- ( 1)Add Chips - TM52F5250TSOP.
- ( 2)Add Chips - TM52M8254/58/64/68.
- ( 3)Add Chips - TM52F8273/74/76/78.

**[Problems fixed]**None

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**< TM52Dll\_setupv1.05.03.43.R\_AP3A3\_V3.b9 >****Changes in This Release:****Changes Notes:****[Important updates]****[New functions or enhancements]****1. DLL**

- (1) Add Chips - TM52F3288/5473/5476/6273/6276, TM52M8253TST
- (2) Add function - compile with make \*.tenx file.
- (3) Add function - On Chip CRC16

**[Problems fixed]****1. DLL**

- (1) Correcting TM52F5250 \*.tenx format while download & debug.
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**< TM52Dll\_setupv1.05.00.22.R\_AP3A3\_V3.b9 >****Changes in This Release:****Changes Notes:****[Important updates]**

1. Add auto update function.
2. Add Simple Chinese interface in the plugin.
3. Upgrade T-link hardware.

**[New functions or enhancements]**

1. Fix signal issue while a large capacitance is connected to power pins.
  2. Fix issue : The program on the chip can run automatically after downloading.
  3. Fix issue : The WDT settings of CFGW and checksum value are compatible with old projects in Keil-C.
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**< TM52Dll\_setupv1.4.9.6\_AP3A3\_V3.b8 >****Changes in This Release:****Changes Notes:****[Important updates]**

None

**[New functions or enhancements]****1. DLL**

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(1)Add Chips : TM52F5273B/5276B, TM52F5264C/5268C, TM52F5274C/5278C, TM52F6264/6268.

**[Problems fixed]**

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< TM52DII\_setupv1.4.7.1\_AP3A3\_V3.b8 >

**Changes in This Release:**

**Changes Notes:**

**[Important updates]**

None

**[New functions or enhancements]**

**[Problems fixed]**

**2. DLL**

- (1) To reduce chances of changing FRCF unexpectedly, remove the Erase function while downloading and do not read/write/modify CFGW byte including FRCF.
- (2) Force disable the WDTE bits in all TM52 chips when WDTE and FRCF are at the same byte of CFGWL.

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< TM52DII\_setupv1.4.5.5\_AP3A3\_V3.b8 >

**Changes in This Release:**

**Changes Notes:**

**[Important updates]**

None

**[New functions or enhancements]**

None

**[Problems fixed]**

**1. DLL**

TM52F5273/5276 \*.tenx file checksum error.

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< TM52DII\_setupv1.4.4.9\_AP3A3\_V3.b8 >

**Changes in This Release:**

**Changes Notes:**

**[Important updates]**

None

**[New functions or enhancements]**

**1. DLL**

- (1) Add Chip : TM52F5250

**[Problems fixed]**

None

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< TM52Dll\_setupv1.4.4.1\_AP3A3\_V3.b8 >

**Changes in This Release:**

**Changes Notes:**

**[Important updates]**

None

**[New functions or enhancements]**

None

**[Problems fixed]**

**1. DLL**

- (1) Fix - Keil C FIRC download issue while plugging in a capacitor at ICE board

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< TM52Dll\_setupv1.4.1.12\_AP3A3\_V3.b8 >

**Changes in This Release:**

**Changes Notes:**

**[Important updates]**

None

**[New functions or enhancements]**

**1. DLL**

- (1) Add Chips : TM52F5273/5276 /2268/2230B/2234B.  
(2) Add warning message from enabling "MOVC-Lock"  
(3) Remove FRCF Function of all chips except TM52M5254/5258.

**[Problems fixed]**

**1. DLL**

- (1) Fix - memory error of LCD Display Emulator  
(2) Fix - Available to enable "Verify Flash" at download mode while Protected or MOVCLock bit is enabled.

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< TM52Dll\_setupv1.3.3.0\_AP3A3\_V3.b8 >

**Changes in This Release:**

**Changes Notes:****[Important updates]**

None

**[New functions or enhancements]****1. DLL**

None

**[Problems fixed]****1. DLL**

- (Fix) modify file STARTUP\_TENX52.A51

**2. F/W**

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**< TM52DII\_setupv1.3.2.9\_AP3A3\_V3.b8 >****Changes in This Release:****Changes Notes:****[Important updates]****[New functions or enhancements]****1. DLL**

- (Add) Show tip message is usage amount for stack.
- (Add) LCD Analog functions.

**[Problems fixed]****1. DLL**

- (Fix) When in UV5, unable to obtain the correct path.

**2. F/W**

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**< TM52DII\_setupv1.3.1.4\_AP3A3\_V3.b8 >****Changes in This Release:****Changes Notes:****[Important updates]****[New functions or enhancements]****[Problems fixed]****1. DLL**

- (Add) When using the Debug / Download / Make \* .tenx function prompts Code Range
- (Add) When using the 0x33~0x3A rom size range prompts error message and stop to generator tenx file.
- (Add) When entering Setting, automatically determine whether a new version.
- (Add) Add TM52F5288B/F5284B chip to DLL.
- (Add) Add QTP Form Generator functions.

## 2. F/W

- (Fix) Execution Download, Verify Flash function is incorrectly.

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### < TM52Dll\_setupv1.3.1.2\_AP3A3\_V3.b8 >

#### Changes in This Release:

#### Changes Notes:

##### [Important updates]

1. Change Project Name to TM52Dll\_setupv1.3.1.2\_AP3A3\_V3.b8.exe

##### [New functions or enhancements]

##### [Problems fixed]

### 1. DLL

- (Fix) Modify P10MOD\_Mask 0xc0 change to P10MOD\_Mask 0x03 for All Chip Head File.
- (Add) Add different frequencies tips for each chip.
- (Add) Add TM52F2280B/F2284B & TM52F5264B/F5268B & TM52F5274B/F5278B chip to DLL.
- (Add) Add ICE Mode Option to System Config Option List.

### 2. F/W

- (Add) Add 4-Wire/5-Wire active

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### <F51Dll\_setupv1.3.0.2\_AP3A2\_V3.b7 >

#### Changes in This Release:

#### Changes Notes:

[Important updates]

##### [New functions or enhancements]



**[Problems fixed]****1. DLL**

- (Fix) Modify TM52F2260/F2261/F2264 CheckSum Calculate.
- (Fix) Modify When Create TM52F2230/2234 tenx file, It isn't write Code in file.
- (Fix) Insert 32H Data for 33H~37H Address.

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**<F51Dll\_setupv1.3.0.0\_AP3A2\_V3.b7>****Supported Bodies:**

Flash: TM52F2230, TM52F2234, TM52F2260, TM52F2261, TM52F2264, TM52F2280,  
TM52F2284, TM52F5264, TM52F5268, TM52F5274, TM52F5278, TM52F5284,  
TM52F5288  
MTP : TM52M5254, TM52M5258

**Changes in This Release:****Changes Notes:**

- [Important updates]
- (Add) Add TM2230/34 and TM2280/84 Chips

**[New functions or enhancements]**

- (Add) F/W Update Function

**[Problems fixed]****1. DLL**

- (Fix) Update REGtenxTM52F5278.h
- (Fix) Modify LCD RAM Data error.
- (Fix) When in Tx3706 project, if users connected to other ICE, it would not stop download.
- (Fix) Update t51.CDB(Delete IROM Range Checking Option For TM52F2230, TM52F2234,  
TM52F2260, TM52F2261, TM52F2264, TM52F2280, TM52F2284, TM52F5264,  
TM52F5268, TM52F5274, TM52F5278, TM52F5284, TM52F5288)

**2. F/W**

- (Fix) Update F/W to V3.b7

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**<F51Dll\_setupv1.1.9.3\_AP383\_V3.b5>**

**Supported Bodies:**

Flash: TM52F2260, TM52F2261, TM52F2264, TM52F5264, TM52F5268, TM52F5274,  
TM52F5278, TM52F5284, TM52F5288  
MTP : TM52M5254, TM52M5258

**Changes in This Release:****Changes Notes:**

[Important updates]  
Touch key AP release

**[New functions or enhancements]**

- (Fix) Modify TM52P5214/5216 ID check loop.
- (Fix) Modify TM52M5254/5258 ID check loop.

**[Problems fixed]****1. DLL**

- (Fix) Modify TM52P5214/5216 Download to flash error.
- (Fix) Modify TM52F2261/2264 LCD RAM Display.
- (Fix) Modify Unlock function in TM52F2230/2234.
- (Fix) Update t51.cdb.(0x36->0x3B)
- (Fix) Add Display checksum after convert \*.tenx.
- (Fix) Add Checking CFGW error in convert \*.tenx.
- (Fix) Modify Touch Dialog text and default setting.
- (Fix) Modify Touch Dialog Len char Key-in is 0~9 & 'a'~'f'.
- (Fix) Modify Touch Dialog Key-in address. (i:0xXX or x:0xXXXXXX)
- (Fix) Modify Touch Dialog Len is 1~16.
- (Fix) Modify Touch Dialog xdata range and idata Max by IC.
- (Fix) Modify parameters in Touch key AP.
- (Fix) Update Touch.exe.

**2. F/W**

- (Fix) Update Touch key AP read mode.
- (Add) Read F/W version.