T-Box[™] 2 AnB Firmware Update Procedure

Sometimes, when we release a new version of the T-Box[™] 2 UI, it also comes packaged with new AnB module firmware. This firmware may contain performance or stability enhancements, or add new features, so it is important to update.

Note:

- Do not remove the power, turn the T-Box[™] 2 off or close the T-Box[™] UI (unless instructed) while an AnB update is in progress; this may brick the AnB module.
- Do not try to perform other tasks (such as ALT-TABbing to other software) while an AnB update is in progress.
- The T-Box[™] will lock down the UI and force-close any existing tasks before an AnB update starts. Be sure to close any measurement windows, save any readings and stop and save any graph captures before proceeding.
- On T-Box[™] 2 UI versions prior to 1.0.0.17, there is no notification of outdated firmware. This is to be expected; the launch version of the software is already installed and the AnB firmware already current for that version.
- On post-launch T-Box[™] 2 UI versions 1.0.0.17 and upwards, the user is warned if an update is available for one or more of the attached AnB modules and prompted to perform an update (the below pictures show some examples):

Select ADC		Select ADC			
Port 1 : TDB001-1 (WARNING)TD Model50596.LOGTD Capacity500.00N·mTD Serial96527FirmwareOUT OF DATE!		Update AnB Firmware One or more AnB boards are out of date. You should update these in Settings > System Info TD Capacity TD Serial 96527 Firmware			
Port 2 : TDB00: TD Model TD Capacity TD Serial Firmware	-2 (WARNING) ??? ??? ??? OUT OF DATE!	Port 2 : TDB001-2 (WARNING) TD Mode TD Capacit Update Now ??? TD Seria ??? TD Seria ??? Firmware Ignore OF DATE!			
R	EFRESH	Cancel			

Performing an Update

To perform an update we must navigate to the System Info panel. If you see the above "Update AnB Firmware" warning, you can just click "Update Now" to go there. Otherwise, from the main menu, open **SETTINGS** and then **SYSTEM INFO**.

Select Task	Select Task			Settings			
	MEASURE					UNITS	
	READINGS					SERIAL PORTS	
	FILE BROWSER					SYSTEM INFO	
	TARGETS				2	PASSWORD	
	GRAPHING					LICENSE	
	SETTINGS						

The **SYSTEM INFO** panel shows a summary of the T-BoxTM 2 and any attached AnB modules. Select a module to update from the table and tap **Update Firmware**:

System Info							
	SYSTEM INFORMATION						
	Sei	rial	TBSER				
	Мо	del	DEVBOX				
	Software	Version	1.0.0.17				
Detail	ls Port	Serial	♦ Firmware ♦				
Θ	1	TDB001-1	V1.0.13				
	Device:		/dev/ttyACM0				
	Model:		0000000000				
€		TDB001-2	V1.0.13				
Update Firmware							

You will be presented with a warning before continuing; press I Understand to perform the update.

System Info						
serial ^s Warning ^N TESER						
DO NOT close the application or disconnect the some power while update is in progress!						
Details Port Serial 🔶 🗧 🗧						
C 1 Tr d1 V1.0.13						
Device:						
Model: 000000						
€ 2 TDB001-2 .13						
Cancel						

The UI will show a progress bar while the update takes place:

System Info						
Updating						
Soft			7			
1	TDB001-1	V1.0.16				
	Ser Mod Soft Port - 1 evice: odel:	Serial Upo MocThis will ta Soft Serial 1 TDB001-1 evice: 2 TDB001-2	Serial Updating TBSEF MoThis will take a few minutes of Soft 1.0.01 Port Serial + Firmwar 1 TDB001-1 V1.0.16 evice: /dev/ttyACM0 odel: 00000000000			

If the progress bar doesn't begin moving after more than twenty seconds: the update has stalled, and the AnB has restarted without applying any updates. In this specific case, it is safe to use the power icon in the bottom-left of the screen to exit the T-Box[™] UI. Then, re-open the T-Box[™] UI, return to the SYSTEM INFO screen and try again.

Once the update is complete, the System Info panel will update to show the new AnB version. If the version number has changed, then it is safe to update the next AnB.

If the update completes but the version number doesn't change: either the UI was unable to reattach to the AnB, or the new firmware was the same as the previously installed version. Close and re-open the T-Box[™] UI, and return to the SYSTEM INFO screen to check again.

After all AnB boards are updated, close and re-open the T-Box[™] UI using the power icon in the bottom-left corner of the screen. The boards should now be shown as having the latest firmware and there should be no warnings about them being outdated.