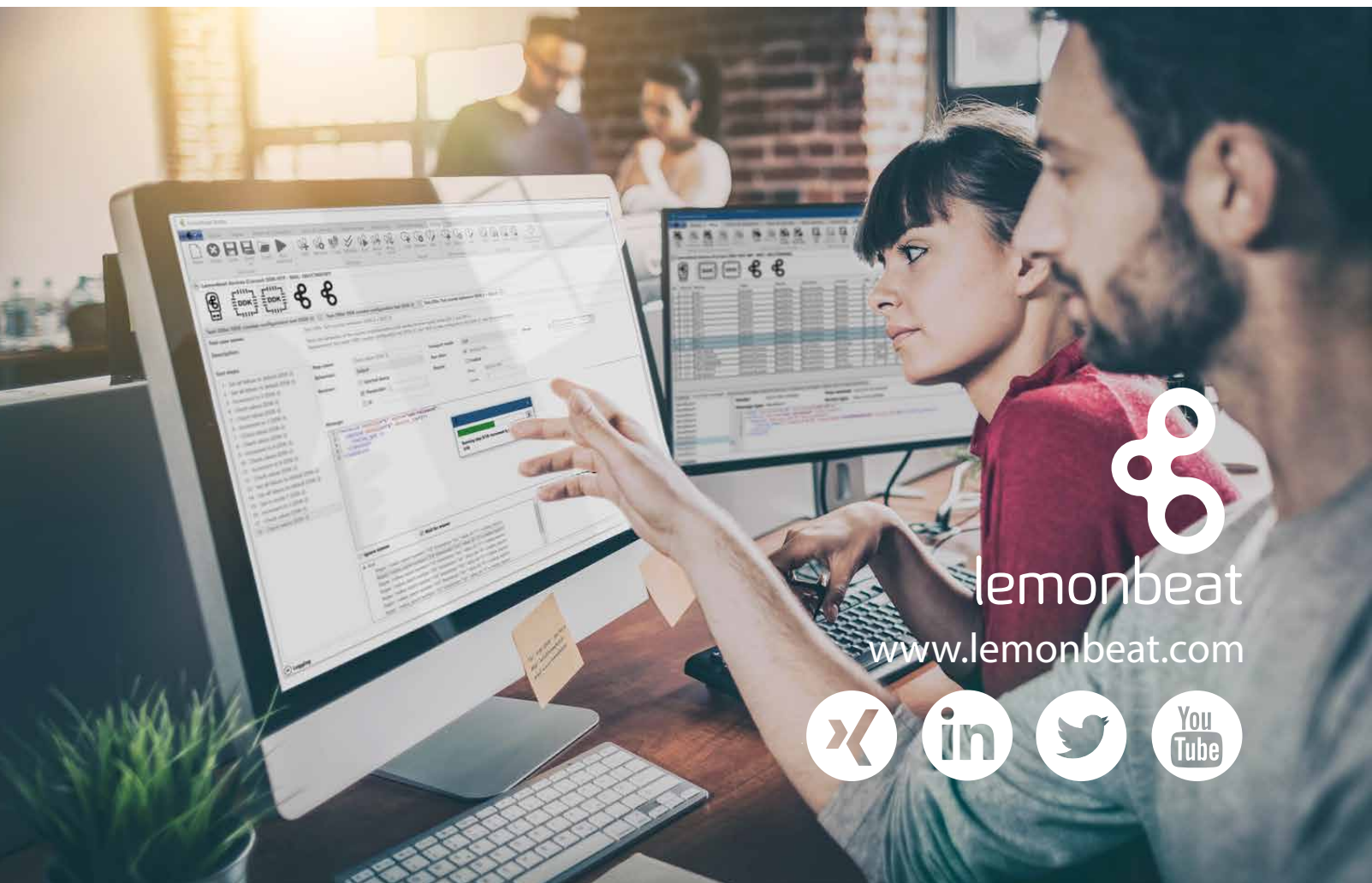


Develop the smart way with

# LEMONBEAT STUDIO 2.0

- No programming effort required
- Development with the click of a mouse

Lemonbeat Studio 2.0 is the software for fast and easy development of smart devices for the Internet of Things. With Lemonbeat Studio 2.0 you can develop devices based on the IoT operating system Lemonbeat OS™ in no time. Through simple point & click, intelligent behavior and interaction of every device in an IoT network can be easily developed and tested.



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The screenshot shows the Lemonbeat Studio application window. The title bar reads "Lemonbeat Studio". The menu bar includes: Home, Value, Action & Calculation, Timer & Calendar, State machine, Partner info, Direct messaging, Testing, and Test results. Below the menu bar is a toolbar with various icons for actions like "Get all", "Set virtual", "Delete selected", "Add", "Remove", "Save to file", "Load from file", "Get selected", "Set selected", "Save to file", and "Load from file". Below the toolbar, there is a section for "Lemonbeat devices (Current: DDK-TEST-MP - MAC: 1861C70004BE)" with several device icons. The main area contains a table with the following data:

ID	Virtual	Name	Type	Mode	Persistent	Format	Min	Max	Step	Unit	Max length	Reported value	Last report	Set value
1	<input type="checkbox"/>	LED 1	ON/OFF	Read/Write	Not persistent	Number	0	1	1	no unit	-	1	16:32:42.480	1
2	<input type="checkbox"/>	LED 2	ON/OFF	Read/Write	Not persistent	Number	0	1	1	no unit	-	1	16:32:42.481	1
3	<input type="checkbox"/>	LED 3	ON/OFF	Read/Write	Not persistent	Number	0	1	1	no unit	-	0	16:32:42.481	0
4	<input type="checkbox"/>	LED 4	ON/OFF	Read/Write	Not persistent	Number	0	1	1	no unit	-	0	16:32:42.481	0
5	<input type="checkbox"/>	LED 5	ON/OFF	Read/Write	Not persistent	Number	0	1	1	no unit	-	1	16:32:42.481	1
6	<input type="checkbox"/>	LED 6	ON/OFF	Read/Write	Not persistent	Number	0	1	1	no unit	-	1	16:32:42.481	1
7	<input type="checkbox"/>	LED 7	ON/OFF	Read/Write	Not persistent	Number	0	1	1	no unit	-	1	16:32:42.481	1
8	<input type="checkbox"/>	LED 8	ON/OFF	Read/Write	Not persistent	Number	0	1	1	no unit	-	1	16:32:42.481	1
9	<input type="checkbox"/>	Btn 1	ON/OFF	Read/Write	Not persistent	Number	0	1	1	no unit	-	0	16:34:48.948	
10	<input type="checkbox"/>	Btn 2	ON/OFF	Read/Write	Not persistent	Number	0	1	1	no unit	-	1	16:34:48.594	
11	<input type="checkbox"/>	HEX-VALUE	General Purpose	Read/Write	Is persistent	Hex binary	-	-	-	-	12	0000	16:32:42.481	
12	<input type="checkbox"/>	CMD-PARAM	General Purpose	Read/Write	Not persistent	Number	0	10000	1	no unit	-	0	16:32:42.481	
13	<input type="checkbox"/>	API-COMMAND	General Purpose	Read/Write	Not persistent	Number	0	100	1	no unit	-	0	16:32:42.482	
14	<input type="checkbox"/>	TEST RESULT	General Purpose	Read/Write	Not persistent	Number	0	10000	1	no unit	-	0	16:32:42.482	
15	<input type="checkbox"/>	HEX RESULT	General Purpose	Read/Write	Not persistent	Hex binary	-	-	-	-	200	0000	16:32:42.482	

# The fast track to your IoT solution: Without any programming effort

Lemonbeat Studio 2.0 helps software developers and system integrators to program their Lemonbeat OS™ devices by combining standardized building blocks (services).

## Features:

- 1 Creation and management of individual device configurations
- 2 Simple reading and setting of values
- 3 Manage all devices in a network
- 4 Receive status messages from the devices
- 5 Execute test scenarios

## Develop, test, change, roll out:

With Lemonbeat Studio 2.0, device behavior in an IoT environment can be changed during live operation. Over-the-air (OTA) firmware updates are possible as well.

## Lemonbeat Studio TestSuite plugin:

New in Lemonbeat Studio version 2.0 is the optional Lemonbeat TestSuite. Device configurations can be automated and checked thoroughly with the aid of flexible scenarios. The test scenarios can be run either in Lemonbeat Studio or as a console application. Integration into existing test environments such as Jenkins is also possible. Results can be exported in XML format and transferred into other systems.

## System requirements:

Windows 7 or higher (64 Bit), .NET Framework 4.5, C++ Redistributable 2015, Lemonbeat USB Dongle or Lemonbeat2Ethernet Adapter.

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