# KNX RF Multi USB interface

# 3-0003-006

**RF standard and ETS version:** RF Ready (KNX RF1.R) in ETS5 or ETS6 RF Multi (KNX RF1.M) from ETS6.1.1

ise

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## Description

The KNX RF Multi USB interface enables access to KNX via radio transmission. It can be used to address, program and diagnose KNX RF devices with a Windows-based PC. The KNX standards RF Ready and RF Multi are supported. KNX-certified ETS software is used to commission the device. The ETS version depends on the radio standard used.

## Commissioning

The KNX RF Multi USB interface can be configured by anyone with sound KNX specialist knowledge and experience with the ETS. We recommend that configuration is done by a system integrator.

#### **Connecting to a PC**

1. Remove the protective cap and insert the KNX RF Multi USB interface into a free USB port on the PC (switched on).

As soon as the device is inserted, the standard Windows drivers required for operation will be installed or enabled. Internet access may be required for driver installation.

- 2. Depending on the ETS version and radio standard used, open the ETS5 or ETS6 and start the setup:
  - "Setting up the device in the ETS5", p. 3
  - "Setting up the device in the ETS6", p. 6

## Setting up the device in the ETS5

#### Setting up the topology

ETS5 <sup>™</sup> - RF/TP Medienkoppler					
ETS Edit Workplace Commissioning Diagnos	stics Apps Window				^ <b>(</b> )
💊 Close Project 🖍 Undo 🐴 Redo 🚔	Reports Workplace •	Catalogs	Diagnostics 📑 Group Ad	dresses	
Topology 🔻			∧ ⊡ ×	Properties	
🕂 Add Devices   🔹 🗙 Delete  붗 Download   🔹 (	🚺 Info 🔹 💋 Reset 🧳 Unload	• • Search	n "P	() ·	6
Topology Backbone	▼ Addres Room	Order Number	Name	Settings Comments	Information
Dynamic Folders	• 💽 1.1.0 Hall	3-0002-005	RF/TP Medienkoppler EG	Name	
🔺 🔠 1 Building	• 💽 1.1.1 Hall	5101 00	RF push butten sensor, 1-gang	Ground floor line	
▲ 📄 1.1 Ground floor line	• 1.1.2 Kitchen	5101 00	RF push butten sensor, 1-gang	Address	
I.1.0 RF/TP Medienkoppler EG				1 1 🔹	
1.1.1 RF push butten sensor, 1-gang				Description	
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▲ 🕘 1.2 Upper floor line					
▶ • 1.2.0 RF/TP Medienkoppler OG					
▶ • 1.2.1 RF push butten sensor, 1-gang				Status	
▶ 1.2.2 RF push butten sensor, 1-gang				Unknown	
				Medium	
				RF	
			$\bigcirc$	Domain Address	
				0011:22334455	Generate new
			$\sim$	Bus Connection	
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	٢		>		
	Devices Parameter				
KNX RF USB-Stick	1.1 Ground	floor line		Lar	st used workspace

- 1. Create your RF project in the ETS5 and build the topology for the KNX installation (see screenshot for example).
- 2. Assign a separate domain address for each RF line.

#### Select KNX RF Multi USB interface

ETSS <sup>™</sup> - RF/TP Med ETS Edit		- □ ×
Overview Bus	Catalogs Settings	KNX
<ul> <li>Connections</li> <li>Interfaces</li> <li>Options</li> <li>+ Monitor</li> <li>+ Diagnostics</li> </ul>	Current Interface < No interface found > < Configured Interfaces + Add <ul> <li>Discovered Interfaces</li> <li>MX RF USB-Stick (ise GmbH)</li> </ul>	Image: Wight of the second
		Max telegram length (APDU): 238 Test Select

- 1. Open the <<Bus>> tab in the ETS5.
- 2. Under <<Connections>>, open the <<Interfaces>> tab.
- 3. Under <<Discovered interfaces>>, click on KNX RF Multi USB interface.
- 4. Click on the << Select>> button.

#### Assign individual address and domain address

ETS5™ - RF/TP Medienkoppler	issioning Diagnostics Apps Window	- □ ×
Overview Bus	Catalogs Settings	KNX
<ul> <li>Connections</li> <li>Interfaces</li> <li>Options</li> <li>+ Monitor</li> </ul>	Current Interface          KNX RF USB-Stick (ise GmbH)       1         Individual Address: 1.1.255       1         Configured Interfaces       + Add       Import         Discovered Interfaces	ିଙ୍କ USB Name KNX RF USB-Stick Manufacturer ise GmbH
+ Diagnostics	▲       15.15.255       192.168.2.223:3671       00:0A:B3:29:3D:A4         ◆       KNX RF USB-Stick (ise GmbH)       .	Medium RF Individual Address 1.1.255 Address free? Domain Address 0011:22334455 Max telegram length (APDU): 238 Test
		Apps 1 active

- 1. Under <<Current interface>>, click on KNX RF Multi USB interface.
- 2. Assign a individual address. This must match the RF line address and may not be assigned elsewhere.
- 3. Enter the domain address of the RF line that you want to program (e.g.: 0011:22334455).
- 4. Click on <<Test>> to check operational readiness.

The KNX RF Multi USB interface is now ready for operation.

## Setting up the device in the ETS6

## Setting up the topology

KNX Multi ×	+				- 🗆 ×	
Close Project Commissioning Diagnostic	cs Apps	lace 🔻 🚺 Catalogs 🗾 Diagnostics		🖨 KNX RF USB	Automatic	© 🔿
Topology ▼	unional a distant of De	etert 🖉 Haland z 🚔 Dást 🖉 🔶	Sauth O	Properties	KNX RF USB-Stick (ise GmbH)	© 3
Topology Backbone	Addres Room	Name	Order Number	Settings Comment		Settings
<ul> <li>Dynamic Folders</li> <li>I Building</li> <li>I I Ground floor line</li> <li>I I.1 Ground floor line</li> <li>I I.1 Ground floor line</li> <li>I I.1 RF push button sensor, 3-gang</li> <li>I I.2 RF push button sensor, 3-gang</li> <li>I 2 Upper floor line</li> <li>I 2.0 KNX RF Multi/TP Media Coupler</li> <li>I 2.1 RF push button sensor, 3-gang</li> </ul>	Im         1.1.0         Hall           Im         1.1.1         Hall           Im         1.1.2         Kitchen	KNX RF Multi/TP Media Coupler RF push button sensor, 3-gang RF push button sensor, 3-gang	3-0002-005 5103 00 5103 00	Name Ground floor line Address 1 1 7 Description Status Unknown Medium RF Domain Address 0011:22334455	Manage Configured Connections	
	C Segments Devices		>			
	1.1 Ground flo	oor line				

- 1. Create your RF project in the ETS6 and build the topology for the KNX installation (see screenshot for example).
- 2. Assign a separate domain address for each RF line.
- 3. Open the <<Bus interface>> tab and click on the cogwheel icon beside the KNX RF Multi USB interface.



- 1. Assign a individual address. This must match the RF line address and may not be assigned elsewhere.
- 2. Enter the domain address of the RF line that you want to program (e.g.: 0011:22334455).
- 3. Select the RF mode to match your KNX installation.

The KNX RF Multi USB interface is now ready for operation.