

Technical Information	Date: 10.02.2025 Official: Marier Department: BT-FS/MKP3
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Tech. Information No.	2636 / 2025
Subject:	AVENAR Panel – new firmware release 4.5.2

Short Description:	Solution for AVENAR panel firmware updates
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Hardware <input type="checkbox"/>	<input type="checkbox"/> Device	<input type="checkbox"/> Module	<input type="checkbox"/> PCBA
Software <input checked="" type="checkbox"/>	<input type="checkbox"/> Application	<input type="checkbox"/> Driver / Extension	<input checked="" type="checkbox"/> Firmware

Affected Products (details)	CTN	SAP no.	Aff. version	New version
AVENAR keypad 8000	FPE-8000-FMR	F.01U.327.092	V4.5.0	V4.5.2
AVENAR panel 2000	FPE-2000-SPC	F.01U.327.091		
Panel controller	FPE-2000-PPC	F.01U.352.443		
AVENAR panel 8000	FPE-8000-SPC	F.01U.327.090		
Panel controller	FPE-8000-PPC	F.01U.352.441		

Number of delivered devices	n.a.	
Period of delivery	from: n.a.	to: n.a.
Affected serial numbers	from: n.a.	to: n.a.

Priority Level	Criterion
I	<input type="checkbox"/> The change has to be made immediately (see dates below)
II	<input type="checkbox"/> The change has to be made during the next inspection.
III	<input type="checkbox"/> Change has to be made, if the error pattern recurs and with new installations.
None	<input checked="" type="checkbox"/> General Information (like new tool, new feature, new SW release)

Action Plan	
<input checked="" type="checkbox"/>	Inform customers
<input type="checkbox"/>	Arrange re-work of stock (CSO)
<input type="checkbox"/>	Arrange re-work of stock (customer)
<input type="checkbox"/>	Arrange re-work of installed products
<input type="checkbox"/>	See detailed actions on following pages

Start Date	7/02/2025	Completion Date	n.a.
New Features:			
n.a.			

Solved issues

Introduction of new AVENAR panel firmware release version 4.5.2.
 This release addresses a known panel firmware update issue that was announced by Technical Information 2629/2024.

*Summary of TI2629/2024:
 Upgrading from firmware version 3.4.0, or lower, to version 4.5.0 was not always possible.
 In rare cases it could lead to an AVENAR panel controller or keypad that is prevented from booting.*

Firmware version 4.5.2 enables upgrades from all previous AVENAR panel firmware versions, providing the latest product features and peripherals, including the FLM-430-I2M1.

AVENAR panel firmware V4.5.2 replaces V4.5.0.
 V4.5.2 is compatible with:

- FSP-5000-RPS: 5.12.28
- FSM-5000-FSI: 2.0.25
- FSM-5000-OPC: 2.0.25
- FSM-8000-BNS: 1.0.1120.1

AVENAR panel firmware V4.5.0 is withdrawn from the market for field upgrades.

Recommendations

- We recommend not to perform a panel firmware update from version 3.4.0, or lower, to version 3.5.3. Wait for version 3.5.4 that is planned for Q2 2025.
- Existing installations already running version 3.5.3 successfully can continue operation without additional constraints until version 3.5.4 is released.
- When having FPA-5000 connected with remote services, please use panel firmware V3.5.0.
- For systems using AVENAR panels and keypad only, stand-alone or in a network, please upgrade to firmware V4.5.2.

Notes:

- From January 1, 2022 to December 31, 2025, panel firmware version 3.x is in maintenance mode. During this period, new versions will be released only containing fixes for critical bugs and critical security gaps.
- From January 1, 2022 onwards, new product features, new LSN peripherals, new GUI languages, and normative changes will be only available in firmware version 4.x. Firmware version 4.x is exclusively for AVENAR panel and AVENAR keypad.

Required Components	Part no.

Attachment(s)

BU Manager	Thomas Knauel	Clerk in Charge:	Ron Marier
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Distribution	
Distribution BU FIR Fire Systems	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Gerhard Puechler (BT/QMM-FS), Michaela Weigert (BT/QMM-FS, Andreas Speich (BT/QMM-FS) <input checked="" type="checkbox"/> Thomas Knauel (BT-FS/MKP BT-FS/PJ-PG), Kristof Vandenberghe (BT-FS/MKP1), Bernd Harbers BT-FS/MKP1) <input checked="" type="checkbox"/> Ron Marier (BT-FS/MKP3), Tobias Hemke (BT-FS/MKP3) <input checked="" type="checkbox"/> Josef Angstenberger (BT-FS/MKR-EU), Jakub Bednarz (BT-FS/MKR-EU BT-FS/MKA-EU) <input checked="" type="checkbox"/> Leonard Hew (BT-FS/MKR-AP), Jignesh Vora (BT-FS/SAM-AP1) <input checked="" type="checkbox"/> Renato Lima (BT-FS/MKR-LA)
Other parties affected	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Teleservice Support (SO/OPM8.10Mb) <input checked="" type="checkbox"/> Holger Behrens (BT-IE/SPM-SF) <input checked="" type="checkbox"/> Petra Adelman (BT-IE/CTA-TER3) <input checked="" type="checkbox"/> David Ziegler (BT-IE/SPM-SF), Ines Schittenhelm (BT-IE/SPM-SF), Martin van Driel (BT-IE/XSP-NL), Jaap Smit (BT-IE/XSP-NL), Productmanagement.snl@nl.bosch.com (BT-IE/XSP-NL)