



ISTA	4.09.1x
ISTA Service Data	4.09.12 / 20
ISTA/P	3.63.3

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1 General notes

With the launch of ISTA 4, the functionality for programming has been integrated in ISTA.

The following series can be dealt with using ISTA/P:

- E Series
- F, G and I series (will be switched off gradually from ISTA/P 3.62.0 on)

The following series can be dealt with using ISTA 4:

- F, G and I Series

These Release Notes contain information for both programming systems.

The Release Notes list all known faults and faults that are currently still unresolved, with possible workarounds which are important for the Retailer Organisation. Please contact Technical Support if additional faults occur on the vehicle. In particular in the following cases:

- vehicle-related programming faults / encoding faults and activation faults
- functional faults on the vehicle

With ISTA 4, it is now also possible to send feedback relating to programming directly to BMW AG. Selecting the "Feedback" symbol (envelope symbol) displays the feedback screen with input boxes.

Note for Technical Support

In the chapters "Known faults F, G, I Series" and "Known faults E series (ISTA/P)", the user may be referred to Technical Support.

This is especially the case when the retail outlet cannot solve the described problem itself as it does not have the available means to do so.

In this case, further information for the Technical Support can be found in the "Internal Notes" of the PuMA measure, under which the Release Notes were published.

Go to PuMA → Search → Measures → full text search for "Release Note" and select the desired version.

The Release Notes, including the internal notes, will be available in at least English and German as soon as the ISTA release is available in DMWF.

All other languages will follow within five days.



If a new fault pattern is included in a release, this is indicated in the heading with *** NEW ***.
This is no longer indicated in the follow-up release.

2 Overview of the I levels contained

I levels newly added or updated in this ISTA version are marked in **BOLD**.

F, G, I series (ISTA 4)

Series group	I level
F001 (F0x, RR4, RR5)	F001-17-11-520
F010 (F06, F1x)	F010-17-11-520
F020 (F2x, F3x, F80, F82, F83, F87)	F020-17-11-540 ISTA 4 F020-17-11-530 ISTA/P
F025 (F15, F16, F25, F26, F85, F86)	F025-17-11-540
F056 (F39, F4x, F5x, F6x)	F056-17-11-540
S15A (G01, G1x, G3x, RR1x, F90)	S15A-17-11-540
S15C (G38)	S15C-17-11-540
I001 (I01, I12)	I001-17-11-540 with ISTA Service Data 4.09.12 I001-17-11-541 for now with ISTA Service Data 4.09.20

I levels correspond to the ISTA Service Data version on the front page.

E Series (ISTA/P)

Series group	I level
E065 (E65, E66)	E065-17-11-520
E060 (E60, E61, E63, E64)	E060-16-11-500
E070 (E70, E71, E72)	E070-16-11-500
E89x (E81, E82, E84, E87, E88, E89, E90, E91, E92, E93)	E89x-16-11-500
R056 (R55, R56, R57, R58, R59, R60, R61)	R056-17-03-504
RR01 (RR1, RR2, RR3)	RR01-17-03-500

**Info on the integration levels**

PuMA measures or similar documents sometimes refer to an I level for the solution to a problem. In this case it is important to know which ISTA release contains the I level.

The name of the I level indicates, if it

1. is contained in the current ISTA release
2. was already contained in a previous ISTA release or
3. will be provided in a future ISTA release.

Series group e.g. **F020** - year **2017** - month (**3, 7 or 11**) - version (**>= 500**)

Assuming the current release contains:	S15A-17-03-506
Then the following I level is not available yet:	S15A-17-07-501
Then this I level was already contained in an older ISTA release:	S15A-16-11-503
Then this I level was already contained in an older ISTA release:	S15A-17-03-505

3 Innovations

The following interesting innovations are included, amongst others.

ISTA/P

Expansion of partial programming to include E6x and E7x with KAFAS, ACC and LDM

Benefit: Partial programming in ISTA/P is now possible worldwide for E6x and E7x vehicles as well.

- R55, R56, R57, R58, R59, R60, R61, E81, E82, E84, E87, E88, E89, E90, E91, E92, E93 - worldwide
- E70, E71 with KAFAS - worldwide
- E60, E61, E63, E64 with ACC or LDM - worldwide

Partial programming is not possible for the following vehicles:

- E60, E61, E63, E64, E70, E71 M Sport vehicles

ISTA 4

New models with production date

Benefit: The new F39, F90 can be dealt with.

Vehicles: F39, F90

Retrofitting lane change assistant

Benefit: The retrofitting is available for Retailers in Austria, Poland and the Netherlands. Other countries to follow.

Vehicles: G11, G12, G30, G31

4 Known faults F, G, I Series

4.1 * NEW * ISTA 4 - Note on BDC exchange or programming abort of gateway control units



Exchange of the Body Domain Controller is supported again with ISTA 4.09.1x.

Fault description:

When carrying out the special measures plan in the event of a BDC exchange, or due to a programming abort of the gateway control unit, the following pop-ups appear repeatedly:

- Requesting that the ignition be switched on
- SYS-0012 Identification Error
- Connection to control unit Unknown interrupted

Model series affected:

Vehicles with the control units FEM or BDC.

Measure/workaround:

Confirm pop-ups until the special measures plan has been carried out.

Fault corrected by:

Currently still open.

Affected application:

ISTA 4

4.2 * NEW * Head Unit High 2 with fault memory 0xB7F87A - Deblock the component protection with ISTA 4

Fault description:

To protect against theft, the head unit (HU-H2) of the specified vehicles with production date as of November 2016 is paired with the Body Domain Controller (BDC).



For the installation of a HU-H2 new part, the locking is performed automatically by ISTA 4 or ISTA/P.

If the component protection was activated, the fault memory 0xB7F87A "component protection active" is set, and the enabling codes of the HU-H2 become invalid.

In individual cases, the component protection is activated without justification for vehicles with I levels 16-11-5xx.

Model series affected:

Vehicles with HU-H2 (NBT Evo) and BDC can be deblocked again using ISTA 4.

Vehicles without BDC must still be enabled by Technical Support by means of IRAP.

Measure/workaround:

1. Always program vehicles with I level 16-11-5xx to the current I level.
2. Contact Technical Support via PuMA, who will generate the required enabling codes for the head unit.
3. Download the enabling codes from Technical Support (PuMA) or the Aftersales Assistance Portal (ASAP) / "Request repair enabling code" and save them for import into ISTA.



If the enabling codes are present in the form of a ZIP file (*.zip), unpack and save in a separate folder.

If a USB medium is used to import the enabling codes, please keep this inserted until the end of the deblocking process.

4. Connect the vehicle and select the initialisation of component protection function in the Additional software tab.

Operations	Vehicle information	Vehicle management	Service plan	Favourites	Workshop/ Operating fluids	Measuring devices
Repair/ maintenance	Troubleshooting	Service functions	Software update	Control Unit Replacement	Vehicle modification	
Comfort	Advanced	Additional software				

Designation	Selection
Enabling of navigation maps	<input type="checkbox"/>
HDD-Update (update of navigation maps / entertainment data)	<input type="checkbox"/>
Initialisation of head unit component protection	<input type="checkbox"/>

Display measures
plan

5. Confirm the dialogue to download enabling codes.

6. Confirm deblocking of the component protection.

Operations	Vehicle information	Vehicle management	Service plan	Favourites	Workshop/ Operating fluids	Measuring devices
Repair/ maintenance	Troubleshooting	Service functions	Software update	Control Unit Replacement	Vehicle modification	
Comfort	Advanced	Additional software				

Designation	Selection
Enabling of navigation maps	<input type="checkbox"/>
HDD-Update (update of navigation maps / entertainment data)	<input type="checkbox"/>
Initialisation of head unit component protection	<input checked="" type="checkbox"/>

Display measures
plan

Initialisation of head unit component protection

The 'deblocking enabling code' was activated successfully. Proceed as follows:

- After confirming this message, you change automatically to the 'After Replacement' tab.
- Mark the exchanged control unit here, then calculate and execute a measures plan.
- Keep the enabling codes provided by Technical Support for activating the head unit functions ready, if necessary.

Details OK

7. After deblocking, ISTA jumps to the "Control unit exchange" menu. End the session at this point.

8. Start new session and change to the "Control unit exchange" menu.

9. Select the exchanged control unit (BDC or head unit).



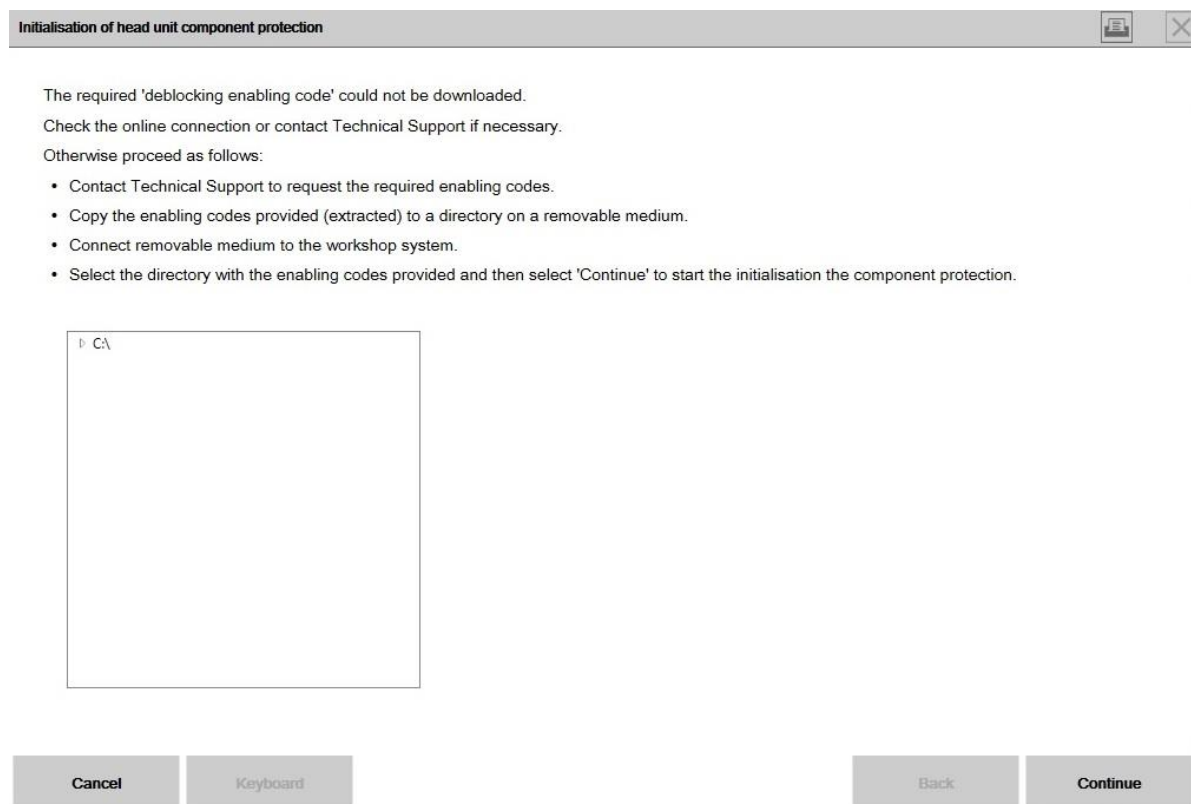
If none of the control units were replaced, the head unit should be selected anyway.

10. Calculate measures plan and carry it out.

11. Confirm the dialogue to download enabling codes.

12. Select the "Import" checkbox in the dialogue on the manual import of enabling codes. Then confirm the dialogue.

13. Select the storage location (folder) of the unpacked enabling codes in the next dialogue.



14. Confirm preparation for vehicle programming. The measures plan is then worked through.

Affected application:

ISTA 4

4.3 "Deactivation of horn warning when locking with engine running" conversion has no effect

Fault description:

The coding conversion for "deactivation of horn warning when locking with engine running" does not result in the desired change in vehicle function.

Cause: The conversion has no effect on vehicles with I level older than 17-11-5xx.

Model series affected:

Vehicles F2x, F3x, F80, F82, F83, F87, G01, G1x, G3x, F90, F39, F4x, F5x, F6x.

Measure/workaround:

- 1) Program the vehicle to I level 17-11-5xx or higher.
- 2) Carry out the conversion.

If the conversion has already been carried out, program the vehicle to I level 17-11-5xx or higher and then perform complete encoding.

Fault corrected by:

ISTA 4.09.2x

Affected application:

ISTA 4

4.4 HU-H NBT - No programming possible (firewall, virus protection)

Fault description:

The Head Unit High cannot be programmed, even after several attempts.



This fault pattern occurs very often for some Retailers, but not at all for others.

It is therefore assumed to be related to virus protection/firewalls that are also installed.

Model series affected:

Vehicles with Head Unit High NBT.

Measure/workaround:

The IT administrator should check the following virus protection and firewall settings and adjust them where applicable.

- Please ensure that antivirus programs and firewall software, especially Microsoft Essentials, F-Secure products, Kaspersky products and Symantec Endpoint Protection are configured in such a way that ISTA can communicate with the vehicle interface:
- The following ports must be enabled in the firewall for communication with the vehicle:

ISPI Next application	Name of the firewall rule	ISPI Next device	Report	Destination PortRange	Source PortRange	Incoming	Outgoing
ISTA	ISTA_5	ISID, ISSS	TCP	12300 - 12333	1 - 65535	X	X

- It is recommended that all devices of the workshop network can access the following *.exe files. The corresponding configuration of the Windows firewall takes place automatically when ISTA is installed. You may have to configure other firewall software yourself. If you filter incoming communication for the source IP address of the vehicle interface, you should not check for source ports.
 "C:\Program Files (x86)\BMW\ISPI\TRIC\ISTA\TesterGUI\bin\Release\ISTAGUI.exe"
 "C:\Program Files (x86)\BMW\ISPI\TRIC\ISTA\TesterGUI\bin\Release\IstaServicesHost.exe"
 "C:\Program Files (x86)\BMW\ISPI\TRIC\ISTA\TesterGUI\bin\Release\IstaOperation.exe"
 "C:\Program Files (x86)\BMW\ISPI\TRIC\ISTA\PSdZ\host\PsdzServiceHost.exe"
 "C:\Program Files (x86)\BMW\ISPI\TRIC\ISTA\FSCValidHost\FscValidationHost.exe"
- Verify that your network is still protected from outside access. If in doubt, consult an IT administrator. Disabling the firewall and antivirus software may leave the device unprotected against network attacks.
- Please restart the affected device and try to program the vehicle again.

Information as in ISPI Dealer Self Support entry 57231.

Fault corrected by:

Expected in 4.11.1x

Affected application:

ISTA 4

4.5 ISTA/P - Note about switching off F, G, I series group

Description:

With the launch of ISTA 4, the functionality for programming the F, G, I series has been integrated in ISTA.

From ISTA/P version 3.62.0 on (end of June 2017), the programming of the F, G, I series with ISTA/P will be gradually switched off.

Model series affected:

F, G, I series vehicles.

- Series F056 can no longer be dealt with as of ISTA/P 3.62.1.
- Series I001, F001, F025, S15A, S15C can no longer be dealt with as of ISTA/P 3.63.0.

Action:

Install ISTA 4 with vehicle software service data package.

Use ISTA 4 for programming the F, G and I series.

Affected application:

ISTA/P

Note:

E series can still be dealt with using ISTA/P.

4.6 All control units are assigned for exchange

Fault description:

The programming system assigns all control units for exchange.

If the fault memory entry with code 0xB7F33C is present in the control unit ATM-01, then the control unit is faulty.

Model series affected:

Vehicles with ATM-01 and fault memory entry 0xB7F33C.

Measure/workaround:

Exchange of the ATM-01

Fault corrected by:

Currently still open

Affected application:

ISTA/P

ISTA 4

4.7 The calculation of the measures plan fails

Fault description:

If the insertion sequence of the ICOM is not observed, or the ICOM connection of WLAN to LAN cable is changed, the measures plan can sporadically not be calculated.

Model series affected:

All F, G, I series.

Measure/workaround:

Remove and reinsert ICOM on vehicle, observing the following sequence:

1. Insert the driver's seat belt
2. Switch on ignition.
3. Wait two to three minutes, to allow each control unit time to start
4. Attach ICOM
5. Start programming

Note: Please also observe the described sequence for changing the connection from WLAN to LAN cable.

Fault corrected by:

Currently still open.

Affected application:

ISTA 4

4.8 Incorrect pop-up on invalid IP address during programming



IMPORTANT!

During vehicle management with ISTA/P an incorrect pop-up with notice of an invalid IP address can appear. If an incorrect pop-up is displayed, it can be ignored and the session may be continued.

The pop-up only appears correctly for the following series:

F20, F21, F22, F23, F30, F31, F32, F33, F34, F35

with multimedia platform (CHAMP2) or with Car Information Computer (CIC)

Affected application:

ISTA/P

4.9 Programming aborts due to antivirus software and firewall

**IMPORTANT!**

In individual cases, installed security software (antivirus software or firewall) causes programming aborts of different head units.

Model series affected:

F Series, I01, I12

With G11, G12, this can additionally affect the following Ethernet control units: ATM, FRR, SAS, ICAM, KAFAS, RSE, KOMBI

(BMW-internal locations are not affected by the fault)

Measure/workaround:

For more details, see Dealer Self Support entry 50714 and 57231.

Affected application:

ISTA/P

ISTA 4

4.10 Vehicle order import fails due to antivirus software and firewall

**IMPORTANT!**

In individual cases, the vehicle order-import fails because of installed security software (antivirus software or firewall). After the start of the session, the vehicle identification with ISTA/P fails.
(BMW internal sites are not affected by the fault)

Measure/workaround:

For more details, see ISPI Dealer Self Support entry 51219.

Affected application:

ISTA/P

4.11 Invalid IP address for BN2020Ethernet control units

Fault description:

During vehicle management, one of the following Ethernet-capable control units should be programmed: HU-H, RSE, ATM, KOMBI, ACC, ICAM, KAFAS

At the start of the session, a note appears indicating that the IP address is invalid. The Ethernet programming can fail if the following steps are not followed:

Model series affected:

All F, G, I Series

Measure/workaround:

1. Finish ISTA(P) session
2. Carry out a battery reset
3. Restart the session
4. If the fault message continues to appear: Check that the Ethernet wiring in the vehicle corresponds to the wiring diagram in ISTA
5. If the fault message continues to appear: Contact Technical Support

Fault corrected by:

Currently still open

Affected application:

ISTA/P

ISTA 4

4.12 Terminal 15 switches off during vehicle treatment

Fault description:

During the treatment with ISTA/P, terminal 15 switches off sporadically.

Model series affected:

F20, F21, F22, F23, F25, F26, F30 (HEV, PHEV), F31, F32, F33, F34, F35, F36, F80, F82, F83, F87

Measure/workaround:

1. Insert driver's seat belt
2. Switch terminal 15
3. Then attach ICOM
4. Start programming

Fault corrected by:

Currently still open

Affected application:

ISTA/P

ISTA 4

4.13 ICOM connection fault is displayed during programming

Fault description:

It is possible that a ICOM connection fault will be displayed during programming, especially when programming the Head Unit High.

Model series affected:

All vehicles.

Measure/workaround:

The message can be ignored.

Fault corrected by:

Currently still open.

Affected application:

ISTA 4

5 Known faults E Series (ISTA/P)