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Runa Shop AC-ISK2

ATOTO Compatible Audio Conversion Harness User Manual

Model: AC-ISK2

1. Product Overview

The ATOTO Compatible Audio Conversion Harness (AC-ISK2) is designed to simplify the installation of ATOTO car audio and navigation units into compatible Toyota, Daihatsu, and Subaru vehicles. This plug-and-play harness eliminates the need for complex wiring modifications, providing a seamless connection from your vehicle's factory wiring to your ATOTO head unit. It integrates essential functions such as power, speaker connections, radio antenna conversion, and steering wheel audio control support.



Image: The ATOTO Compatible Audio Conversion Harness, showing its various connectors and wires.

2. Setup and Installation

2.1 Before Installation

Before beginning the installation, ensure that your ATOTO head unit is compatible with this harness. This harness is designed for ATOTO A6 PF, F7, SA102, S8 (excluding UN/MS/LT series), and X10 series car audio units. Verify that your vehicle's factory wiring harness matches the connectors on this product.

Important Compatibility Note: Confirm that the back of your navigation unit has a 20-pin connector. If your navigation unit has a 16-pin connector, an additional adapter (e.g., AC-WHU-A2) will be required to convert from 20-pin to 16-pin. Please check your unit's specifications or contact support if unsure.



ATOTOナビ適合表(一部)

モデル	型式(品番)	モデル	型式(品番)
A6 + A6KL シリーズ		S8 シリーズ	
A6 PF こちらのシリーズに使用される際、ナビ背面が16Pカプラーの場合は、カーオーディオ本体購入時に製品と一緒に同梱されている16P⇔20Pへ変換するハーネスが必要になります。(型番AC-WHU-A2)お手元に無い場合は、変換ハーネスを別途ご用意ください。	A6G2A7PF	S8 LT	S8G2113LT
	A6G2A7PF-S01	S8 SD	S8G2A74SD
	A6G2B7PF	S8 PM	S8G2B74PM
	A6G2C7PP		S8TYC74PM
	A6G209PF		S8G2114PM
F7 シリーズ		S8 PR	S8G2104PR-A
F7WE	F7G2A7WE		S8G1104PR-A
	F7G2A7WES01		S8U2118PR
	F7G2B7WE	S8 UL	S8G2A78UL
	F7G209WE	S8 UP	S8G2109UP
	F7G211WE		S8G2119UP-A
F7XE	F7G2A7XE		S8G1109UP
	F7G2A7XE-S01	S8 AIO	S8G1104AIO
	F7G110XE	X10 シリーズ	
	F7G110XE-A	X10	X10G211E
	F7G211XE		X10G209E
	F7TYC7XE		X10G211E-J-R3
他シリーズ			X10G110E
SA102	YS102SL		

※電源カプラーが16ピンコネクターモデルの場合は、カーオーディオ本体購入時に同梱されている
16P to 20Pアダプターが必要です。手元にない場合は、お問い合わせください。

Image: Illustration of a head unit's rear connector, highlighting the 16-pin configuration, and a warning about proper use of electro-taps.

2.2 Wiring Connections

The harness provides labeled wires for easy connection. Refer to the diagram and table below for specific wire functions:



Image: A detailed diagram illustrating the various connectors and wire colors of the harness, including labels for radio antenna, steering wheel connectors, and audio connectors.

Wiring Color Code and Function

Wire Color	Function
Blue	Amp Wiring (+)
Red	Reverse Wiring (+)
Light Brown	Parking Brake Wiring (-)
Brown	Steering Wheel Control Wiring
Black	Chassis Ground (-)

2.3 Installation Steps

1. **Disconnect Battery:** For safety, disconnect the vehicle's negative battery terminal before starting any electrical work.

2. **Remove Factory Head Unit:** Carefully remove your vehicle's existing car audio or navigation unit to access the factory wiring harness.
3. **Connect Harness to Vehicle:** Connect the vehicle-side connectors of the AC-ISK2 harness to your car's factory wiring. Ensure all connections are secure.
4. **Connect Harness to ATOTO Unit:** Plug the ATOTO-side connectors of the AC-ISK2 harness into the corresponding ports on the back of your ATOTO car audio or navigation unit.
5. **Connect Radio Antenna:** Connect the integrated radio antenna adapter to your vehicle's antenna cable and the ATOTO unit's antenna input.
6. **Test Functionality:** Before fully reassembling, reconnect the vehicle battery and test all functions of your ATOTO unit, including audio, radio, and steering wheel controls.
7. **Reassemble:** Once all functions are verified, carefully reassemble your dashboard and secure the ATOTO unit in place.



Image: The harness laid out, emphasizing its components and the ease of installation.

3. Operating Your System

Once installed, your ATOTO head unit will operate as designed, utilizing the seamless connections provided by the AC-ISK2 harness. The harness facilitates the transfer of power, audio signals, and control signals, including those from your vehicle's steering wheel audio controls.
For detailed operation instructions of your ATOTO car audio or navigation unit, please refer to the specific user manual provided with your ATOTO device.

4. Care and Maintenance

This audio conversion harness requires minimal maintenance. To ensure its longevity and proper function:

- Keep the connections dry and free from moisture.
- Avoid exposing the harness to extreme temperatures or direct sunlight for prolonged periods.
- Do not pull on the wires excessively, as this may damage the internal connections.
- Ensure all connections remain secure over time.

5. Troubleshooting

5.1 Common Issues

- **No Power to ATOTO Unit:**
  - Check all power connections (constant 12V, accessory 12V, ground) from the harness to the vehicle and to the ATOTO unit. Ensure the vehicle's fuse for the radio is intact.
- **No Audio Output:**
  - Verify speaker wire connections are correct and secure. Ensure the ATOTO unit's volume is up and not muted.
- **Steering Wheel Controls Not Working:**
  - Confirm the brown steering wheel control wire is correctly connected. Ensure your ATOTO unit's steering wheel control settings are properly configured.
- **Radio Reception Issues:**
  - Check the radio antenna adapter connection. Ensure it is fully seated and not damaged.

If you encounter issues not listed here or if troubleshooting steps do not resolve the problem, please contact customer support.

6. Product Specifications

This harness is designed for specific ATOTO head unit models and vehicle types:

Compatible ATOTO Head Unit Models

Series	Model Numbers
A6 PF	A6G2A7PF, A6G2A7PF-S01, A6G2B7PF, A6G2C7PP, A6G209PF
F7WE	F7G2A7WE, F7G2A7WES01, F7G2B7WE, F7G209WE, F7G211WE
F7XE	F7G2A7XE, F7G2A7XE-S01, F7G110XE, F7G110XE-A, F7G211XE, F7TYC7XE
SA102	YS102SL

Series	Model Numbers
S8 (excluding UN/MS/LT)	S8G2113LT, S8G2A74SD, S8G2B74PM, S8TYC74PM, S8G2114PM, S8G2104PR-A, S8G1104PR-A, S8U2118PR, S8G2A78UL, S8G2109UP, S8G2119UP-A, S8G1109UP, S8G1104AIO
X10	X10G211E, X10G209E, X10G211E-J-R3, X10G110E

Part Number: Rn3740-16
Included Accessories: Audio Harness

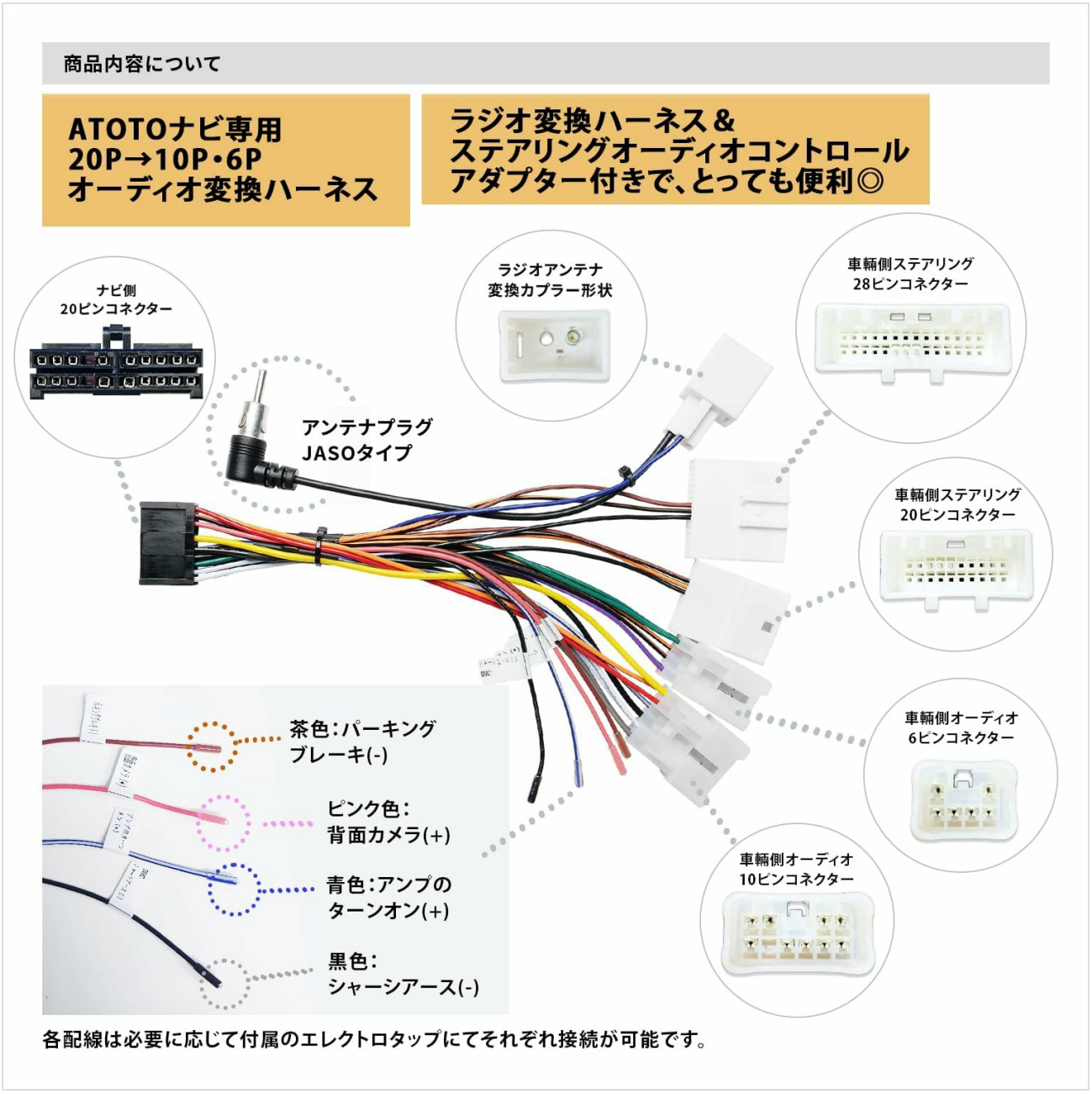

Image: A table detailing the compatibility of the harness with various ATOTO head unit models across different series.

7. Warranty and Support

For any questions regarding installation, compatibility, or product issues, please contact the seller or manufacturer's customer support. Please refer to your purchase documentation for specific warranty terms and

contact information.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

Which wiring harness do I need to connect my ATOTO A7G225PKL to my 2015 Smart Fortwo with a Visteon R013-X07 factory radio?

To connect your ATOTO A7G225PKL to a 2015 Smart Fortwo with the Visteon R013-X07 radio without cutting wires, you will need a two-part harness solution: Vehicle-Specific Harness: The tomzz Audio 7009-000 is generally suitable...

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