

PRODUCT MANUAL

Android Car Radio / Navigation Head Unit (Model No.: SH Series)

Brand: SINOSMART

1. Product Information (Mandatory)

Product Name	Android Car Radio / Navigation Head Unit
Product Category	In-vehicle multimedia and navigation device
Model No. (Public)	SH422 / SH842 / SH844 / SH888 / SH886 (see Section 6)
Internal Platform Name (Reference)	For internal reference only: 4+64 / 8+128 / 8+256 / Custom (may vary by batch)
Operating System	Android 11 / 12 / 13 (depends on model/version)
Power Supply	DC 12V vehicle power (via dedicated harness; vehicle-dependent)
Package Contents (typical)	Main unit x1; wiring harness x1; accessories (GPS, USB, mic, etc.) as per packing list (may vary by kit)

2. Manufacturer & EU Representative Info (Mandatory)

Brand: SINOSMART

EU Authorized Representative (EU REP 8065): ORIENT CONSULTING SL

EU REP Address: Avd. de la industria, 2, nv16, Fuenlabrada, 28947, España (Spain)

EU REP Email: rae@orientconsulting.es

EU REP Tel: 0034912918327

Other manufacturer / importer / production information is provided on the product label and/or packaging label, which shall prevail.

3. Compliance Information (Mandatory)

This product is an automotive electronic device intended for installation in compatible vehicles. Depending on destination market and specific configuration, applicable requirements may include electrical safety, electromagnetic compatibility (EMC), radio equipment compliance (for Wi-Fi/Bluetooth/4G versions), and

environmental compliance. Installers and sellers should ensure compliance with local laws and regulations in the market where it is sold.

4. Safety & Warnings (Mandatory)

Important Safety Information

- Read all instructions before installation and use.
- Professional installation is recommended. Incorrect wiring may cause malfunction, vehicle error messages, or damage.
- Disconnect the vehicle battery (if required by the vehicle manufacturer) before wiring.
- Do not modify the product, wiring harness, or connectors.
- Keep wiring away from moving parts, sharp edges, and heat sources.
- Do not operate or configure the device while driving.
- If the product appears damaged, stop using it and contact the seller for support.

5. Instructions for Use (Mandatory)

Before Installation

- Check all items in the package before installation.
- Confirm your vehicle model/year and the original radio system type to select the correct harness and model.
- Test the main unit and key functions (power on, display, sound, basic controls) before final assembly.
- Plan cable routing to avoid pinching and interference.

Installation (General Guidance)

Installation steps vary by vehicle and kit. Always follow the packing list and any kit-specific wiring diagram provided with your order. In general:

- Remove the original unit using appropriate tools and procedures.
- Connect the dedicated harness (do not cut OEM wiring).
- Connect accessories as needed (GPS antenna, USB, microphone, camera input, etc.).
- Mount the unit securely and test all functions before reassembling trims.

Basic Troubleshooting

- No power: check power connector, fuse, and vehicle power supply.
- No sound: verify amplifier settings, audio output mode, and wiring.
- No reverse camera image: confirm camera signal type and correct camera input settings.
- Wireless issues: check Wi-Fi/Bluetooth permissions and reset network settings if needed.

6. Model & Specification Overview (Reference)

The table below summarizes typical specifications for SINOSMART SH-series models. Specifications may change by batch or customization; the product label, order description, and packing list shall prevail. 'Custom' refers to customer-specific configurations.

Internal-to-Public Naming (Reference)

- T100 platform → Model No. SH422
- TS10S platform → Model No. SH842 / SH844 / SH888 (depending on RAM/ROM and configuration)
- TS20 platform → Model No. SH886 (8GB+256GB configuration)

Item	SH422	SH842	SH844	SH888	SH886
CPU	A100		UIS7862S		UIS7870
Core	4-core		8-core		8-core
RAM/ROM	2G/32G	4G/32G	4G/64G	8G/128G	8G/256G
Display 1280×720	QLED		Full Lamination QLED (Updated March, 2025)		
CarPlay	Wireless			Wireless/Wired	
Android Auto				Wireless/Wired	
Audio Amp IC	TDA7388		TDA7851		TDA7808
DSP Processor	X		Rohm32107 (48EQ)		SI47925
Wi-Fi			Dual-band Wi-Fi (2.4GHz+5GHz)		
Bluetooth			BT 5.0		
4G LTE SIM	X			✓	
RDS	X			✓	
USB Port	2			3	
Type-C Output		X			✓
Video Output			Optional		
Rear Camera			CVBS & AHD (720P/1080P), Aftermarket 360 Optional		
Android OS	11		12		13
Firmware Update			Via USB or OTA		

Legend: ✓ = Supported | X = Not supported | * Interface may be updated without prior notice.

7. Rear Camera Compatibility Note (Reference)

Some SH-series models support rear camera input for CVBS and/or AHD signals. Actual compatibility depends on the camera type, wiring, and settings. If a special camera kit is included in your order, please follow the kit instructions and packing list.

8. Warranty & Support

Warranty terms and support channels are provided by the seller/store according to the order agreement and local laws. For faster support, please provide your order number, vehicle model/year, and photos/videos of the wiring and device behavior.

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