

AUDI RNS-E AUDIO/VIDEO INTERFACE & VIDEO-IN-MOTION INSTALLATION AND USERS MANUAL

NAVTOOL RED RGB BOX DESCRIPTION & INSTALLATION NOTES

Front side:

Video 1: is dedicated for a video source of your choice.

Video 2: is dedicated for back up camera (Video 2 can be used as another input for your video source, if you want to connect video 2 as a second video source connect blue wire from NavTool interface to a toggle switch (optional toggle switch not included) and connect other end of toggle switch to accessory power.

DC12V Jack: please connect supplied power harness into power jack, connect solid black wire to Ground, Connect black wire with white stripes to 12v Accessory power, do not connect this wire to 12V constant power.

Back Side:

RGB OUT: connect supplied plug and play harness to this connector.

RGSB/RGBS: leave this switch in RGBS position, only when installing NavTool into BMW or Range Rover move this switch to RGSB

Brightness: +makes screen brighter -makes screen dim, holding both buttons together for few second will make picture go back to Default settings

White wire: please connect both white wires to solid ground

Green Wire: please connect this wire to emergency brake also known as foot brake or handbrake, green wire must see ground in order for you to activate Video 1, reverse camera will activate on video 2 regardless of green wire being connected to emergency brake.

Blue Wire: connect blue wire to reverse light wire, reverse light wire is the wire that gets 12v when vehicle is shifted in reverse, if no reverse camera is being installed or vehicle already comes with a factory camera installed DO NOT connect blue wire. When installing NavTool on German cars relay must be installed, please see below: Connect 85 of relay to ground, connect 86 of relay to reverse light, connect pin 30 of relay to accessory power, connect pin 87 of relay to blue wire from NavTool Box, you may also connect 87 of relay to accessory power of back up camera. **(FOR AUDI RNS-E YOU MUST CHOOSE TV OPTION IN ORDER TO SEE REVERSE CAMERA, REVERSE CAMERA WILL NOT SHOW AUTOMATICALLY WHEN VEHICLE SET TO REVERSE) YOU MUST INSTALL PAL SIGNAL CAMERA TO NTSC**

Toggle switch: **FOR AUDI RNS-E INSTALLATION COMPLETELY REMOVE TOGGLE SWITCH AND ISOLATE EACH WIRE INDIVIDUALLY. DO NOT CONNECT WIRES TOGETHER. DO NOT CONNECT THIS WIRES TO POWER OR GROUND**

PLUG&PLAY HARNESS: **FOR AUDI RNS-E INSTALLATION JUST CONNECT GRAY 32 PIN CONNECTOR INTO GRAY CONNECTOR BEHIND RADIO, CONNECT YOU SOURCE INTO VIDEO ONE AND SET YOUR SOURCE TO PAL SIGNAL, CONNECT AUDIO INTO WHITE AND RED RCA JACKS**

IMPORTANT THINGS TO KNOW AND PRECAUTIONS BEFORE INSTALLING NAVTOOL

1. Set Parking brake
2. Remove the negative battery cable
3. Protect fenders before starting
4. Using protective blankets, cover front seat, interior of the vehicle and center console.
5. Always install a fuse 6-10 inches away from NavTool interface 5 amp fuse should be used.
6. Always secure NavTool interface with Velcro or double side tape to prevent rattling or wires to rip out of the connector.
7. When securing NavTool interface make sure that you can close panels without any problems.
8. Use electrical tape on all you connections and splices do not leave any exposed connections.
9. Route all wires along factory harnesses, try not to drill or make any unnecessary holes.
10. Make sure you are not connecting to any Data wire, check your connections with a multi meter.
11. PLEASE HAVE A PROFESSIONAL MOBILE ELECTRONICS INSTALLER PERFORM THE INSTALLATION OF NAVTOOL PRODUCTS.

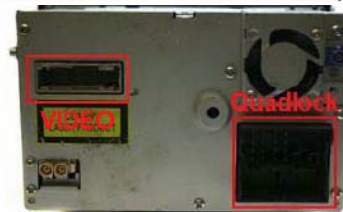
DISCLAIMER: WARNING!!! WARNING!!! NAVTOOL VIDEO INTERFACE DOES NOT REPLACE NAVIGATION SYSTEM IT GIVES YOU ABILITY TO ADD EXTERNAL A/V SOURCES. NAVTOOL IS DESIGNED TO BE ONLY FOR OFF-ROAD OR WHEN VEHICLE IS IMMOBILIZED. THE DRIVER IS RESPONSIBLE FOR MAINTAINING FULL ATTENTION WHILE OPERATING A MOTOR VEHICLE. THE REMOVAL OR BYPASSING OF SAFETY FEATURE IN NAVTOOL PRODUCTS WILL RESULT IN YEARLY TERMINATION OF WARRANTY. PLEASE BE ADVISED THAT INSTALLATION OF ANY KIND OF PRODUCTS SUCH AS NAVTOOL MAY VOID VEHICLES MANUFACTURE WARRANTY. USING NAVTOOL IMPROPERLY WILL RESULT IN INJURY, CITATION AND ARREST BY AUTHORITIES THEREFORE NAVTOOL INC. OWNERS AND EMPLOYEES ARE NOT RESPONSIBLE FOR UNAUTHORIZED USE. PLEASE HAVE A PROFESSIONAL MOBILE ELECTRONICS INSTALLER PERFORM THE INSTALLATION OF NAVTOOL PRODUCTS.

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Extracting the navigation system from the center console requires the use of a brand-specific de-locking tool (sold separately).



Disconnect the Quadlock-connector from the navigation system. Connect the 32pin connector of the cable kit to the navigation system.



OEM CONNECTOR

AFTER YOU HAVE REMOVED QUADLOCK CONNECTOR FROM BACK OF THE RADIO YOU NEED TO MOVE SOME CONNECTORS INTO NAVTOOL SUPPLIED PLUG AND PLAY CONNECTOR

PLEASE SLIDE OUT CONNECTOR 1,3 AND 2 FROM OEM CONNECTOR AND INSERT CONNECTORS INTO NAVTOOL CONNECTOR

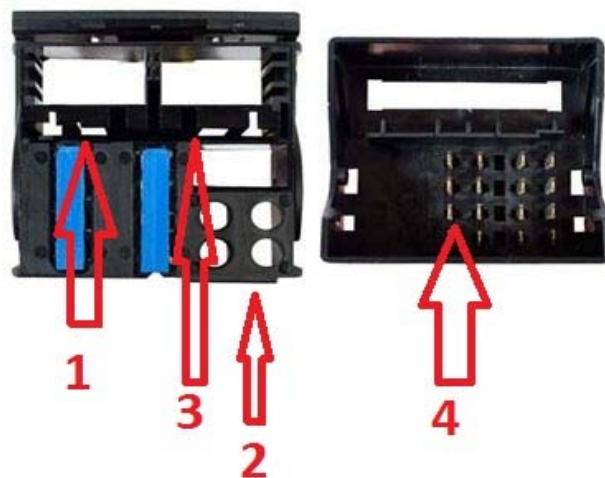
PLEASE SLIDE CONNECTOR 1 WHITE CONNECTOR BY PUSHING DOWN RELEASE LOCK AND SLIDING IT OUT FROM CONNECTOR

PLEASE SLIDE CONNECTOR 3 BLACK CONNECTOR BY PUSHING DOWN RELEASE LOCK AND SLIDING IT OUT FROM CONNECTOR

PLEASE SLIDE CONNECTOR 2 FIBEROPTICS CONNECTOR BY PULLING UP RELEASE LOCK AND SLIDING IT OUT FROM CONNECTOR



AUDI DIP SWITCH SETTINGS ON NAVTOOL BOX



NAVTOOL SUPPLIED CONNECTORS

PLEASE INSERT PREVIOUSLY REMOVED CONNECTORS 1,3 AND 2 INTO NAVTOOL SUPPLIED CONNECTOR

PLEASE INSERT CONNECTOR 1 WHITE CONNECTOR INTO CAVITY 1

PLEASE INSERT CONNECTOR 2 BLACK CONNECTOR INTO CAVITY 3

PLEASE INSERT FIBER OPTICS CONNECTOR 2 INTO CAVITY 2, MAKE SURE YOU INSERT IN SAME PLACE THAT YOU HAVE PREVIOUSLY REMOVED IT OUT OF OEM CONNECTOR, IF YOU DIDN'T MEMORIZE POSITION PLEASE LOOK IN BACK OF THE RADIO FOR FIBEROPTICS POSITION

PLEASE INSERT OEM MALE QUADLOCK CONNECTOR INTO NAVTOOL FEMALE QUADLOCK CONNECTOR 4

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USER MANUAL



TV SELECTION BUTTON



PLEASE PRESS TV SELECTION BUTTON AND CHOOSE TV OPTION NOW YOU WILL BE ABLE TO SEE VIDEO FROM RGB INTERFACE VIDEO 1 AND HEAR AUDIO, IF YOU WANT TO SEE CAMERA YOU MUST APPLY +12VOLTS ON BLUE WIRE, KEEP IN MIND TO SET YOU VIDEO SOURCE TO PAL SIGNAL AS THIS IS GERMAN SCREEN, BOTH CAMERA AND YOUR VIDEO SOURCE MUST BE PAL COMPATIBLE , ONCE SET TO PAL YOU MAY CONTINUE TO USE YOU NTSC DVD DISK's

TO WATCH YOUR VIDEO SOURCES WHILE IN MOTION OFF-ROAD PLEASE PRESS AND HOLD VIDEO IN MOTION ACTIVATION BUTTON FOR 3 SECONDS

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