

GM-R40

K40 CALIBRE[®] Radar integration for GM Vehicles


Controls power, Displays radar messages on the instrument cluster



Overview

What's in the box		Fig. 1 – Package Contents	
<ol style="list-style-type: none"> NAV-TV Control box Connection Cable USB cable 			
Wire Functions	NAV-TV Colors	Connector	Fig. 2 Molex plug
<ol style="list-style-type: none"> Front LED Rear LED Chassis Ground K40 On GMLAN --- Battery (+) +12V OUT TO K40 	<ol style="list-style-type: none"> White (To K40 White) Blue (To K40 Blue) Black (To OBD2 Black/White) Brown (To K40 Brown) Green (to OBD2 green) --- Yellow (To OBD2 Red/White) White/Blue (to K40 RED) 		<p>8 pin Molex connector</p> <p>View from wired side</p>

GM-R40 Wiring

Wiring	Fig. 3 OBD2, Side Panel
<p>Note: We recommend installing the K40 Calibre with AT LEAST one sensor harness running to the Drivers dash area. Since the K40 Brown wire shows +12V when ON, It must be connected to the NAV-TV Brown wire for proper operation.</p> <p style="text-align: center;">SOLDER ALL CONNECTIONS !</p> <ul style="list-style-type: none"> • NAV-TV > OBD2 Connections (Lower driver's dash): <ol style="list-style-type: none"> 1. Connect all grounds to the OBD2 (pin 4) BLACK/WHITE 2. Connect the Yellow wire to the OBD2 (pin 16) RED/WHITE 3. Connect the Green wire to the OBD2 (pin 1) Green • NAV-TV > K40 Connections: <ol style="list-style-type: none"> 1. Connect White to White, Blue to Blue (LED's) 2. Connect the White/Blue to K40 Red wire 3. Connect Brown to Brown (at sensor) <p style="text-align: center;">Plug interface only after wiring is done !</p>	

Operation:

Power Up, testing, Operation	Fig. 4 Operation
<ol style="list-style-type: none"> 1. The module powers up the CALIBRE (White/Blue wire) Only when engine is running. Once +12V is detected on the BROWN wire (K40 Active) The cluster displays < K40 On > 2. If the CALIBRE remote is set to OFF, the cluster will display < K40 Off > 3. Once a RADAR / LASER signal has been detected by the CALIBRE, the cluster will display the appropriate sensor information: <p style="text-align: center;"> ↑ Front RADAR ↑ ↓ Rear RADAR ↓ ! LASER ! </p>	