



DKGM-48D

Radio Replacement with SWC Retention and Double DIN Dash Kit for
GM Class II Vehicles 2003-2013

PRODUCT MANUAL
VER.072126

CONTACT

ADDRESS:

CRUX Interfacing Solutions
21541 Nordhoff St. Unit C,
Chatsworth, CA 91311

PHONE:

(818) 609-9299

E-MAIL:

support@cruxinterfacing.com
sales@cruxinterfacing.com

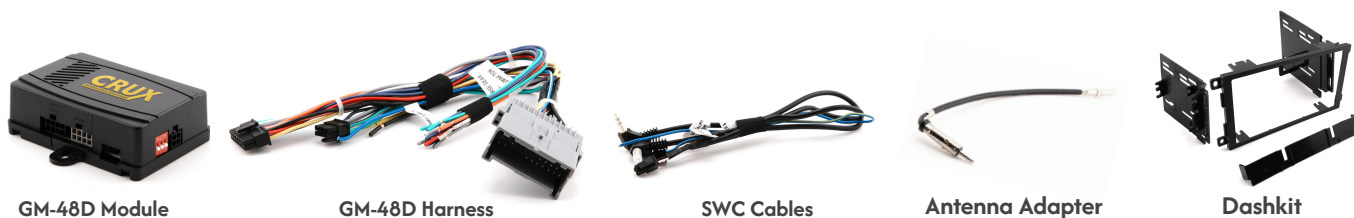
WEBSITE:

www.cruxinterfacing.com

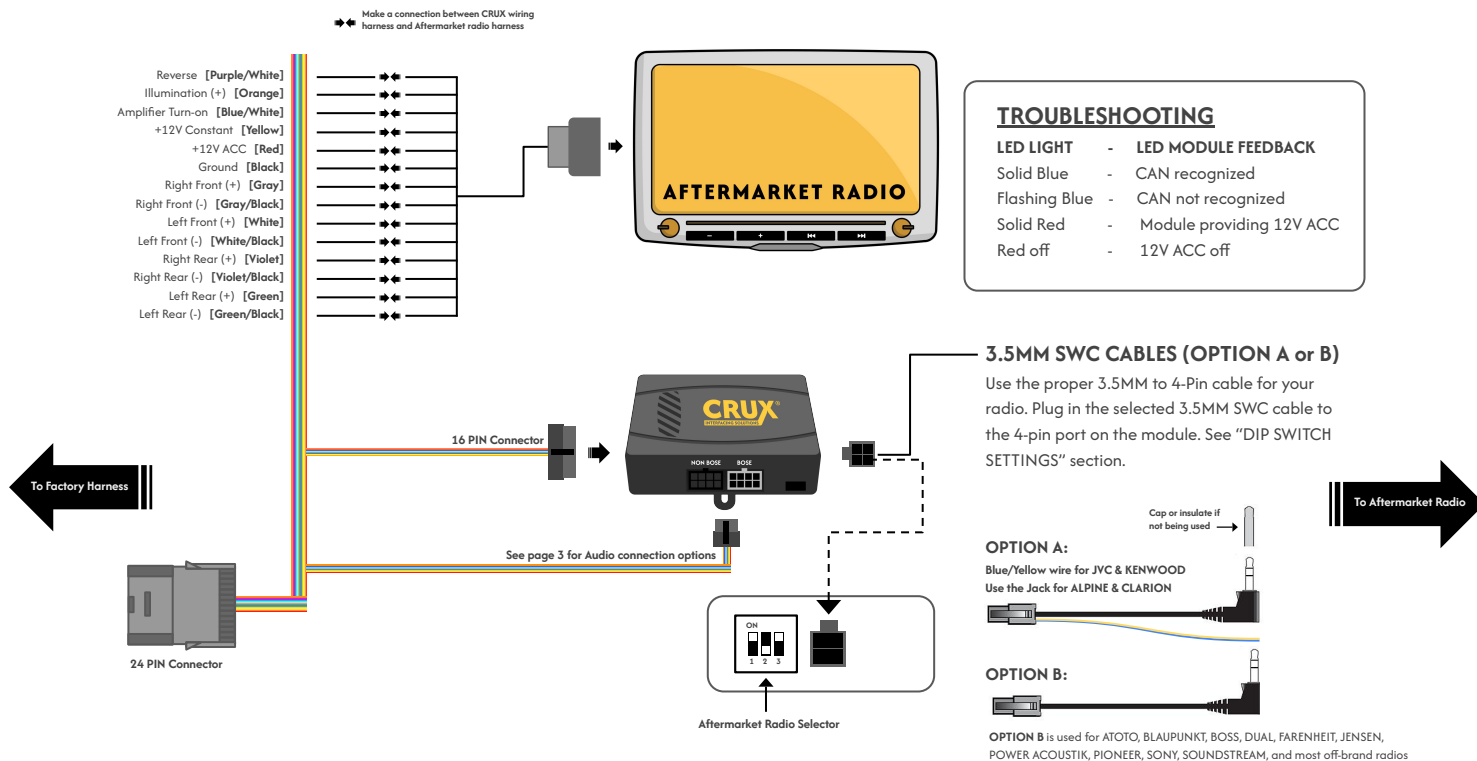
PRODUCT FEATURES:

- Retains factory features in select GM Class II Data Bus vehicles while functioning with an aftermarket radio.
- Pre-programmed to retain factory Steering Wheel Controls.
- Voice Recognition Command from factory SWC.
- Supports Bose, Y-91 and non-amplified audio systems.
- Retains chime functions.
- Built-in chime volume adjustment.
- Double DIN Dash Kit included.
- EIA color coded wiring for easy installation.

PARTS INCLUDED:



INSTALLATION DIAGRAM:



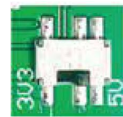
DIP SWITCH SETTINGS:

AFTERMARKET RADIO DIP SWITCH SETTINGS:

RADIO BRAND:	DIP#:	1	2	3
Atoto, Dual, Fahrenheit, Jensen, Nakamichi		OFF	ON	ON
Pioneer, Power Acoustik, Soundstream		OFF	ON	ON
Blaupunkt, Most off-brand Radio		OFF	ON	ON
Alpine		OFF	OFF	OFF
Clarion		ON	ON	OFF
Kenwood		ON	ON	ON
JVC		ON	OFF	ON
BOSS, Old Sony		ON	OFF	OFF
New Sony (with CarPlay)		OFF	ON	OFF

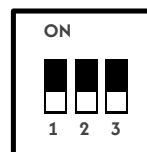
NOTE: For Atoto, Blaupunkt, Dual, Fahrenheit, Nakamichi, Power Acoustik, Soundstream, and most off-brand radios. Check the aftermarket radio's manual to see if the SWC buttons need to be programmed
 * For SWC Learning Radios specific steps are required. Please scan the QR code on the right.

SWC TROUBLESHOOTING OPTION



Located internally, need to take plastic casing off module

If Steering Wheel Controls don't work or work properly, please switch internal DIP switch from 3v3 to 5v as shown in picture above.



SWC Module
DIP Switch

For aftermarket radios that have wires for SWC connections, cut off the 3.5mm plug on the Crux SWC Cable and connect the SWC wires as follows:

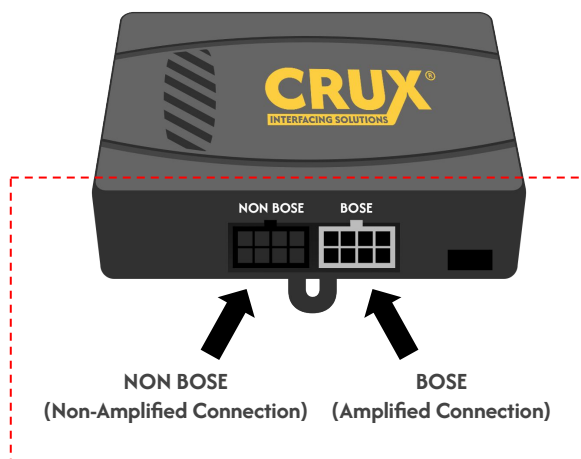


Note that there are some radios that only have SWC1 and SWC2, in this case "shield" does not need to be connected.

SELECTING THE AUDIO SYSTEM:

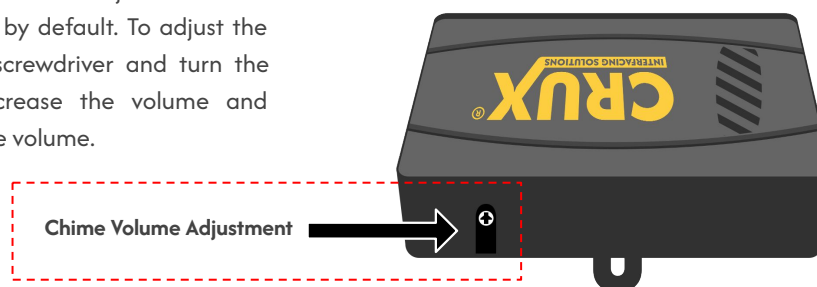
If the vehicle is equipped with an amplified audio system, the DKGM-48D has a built-in audio level adaptor that outputs the proper audio level from the aftermarket radio to the factory amplifier. To use this feature, plug in the male 8-PIN connector on the DKGM-48D harness to the GRAY female 8-PIN connector on the SWRGM-48 module. The module is also labeled "BOSE" and "NON BOSE" to avoid confusion. (see image for reference)

If vehicle is NOT equipped with a factory amplified system, plug-in the male 8-PIN connector the the BLACK female 8-PIN on the DKGM-48D module.



CHIME VOLUME ADJUSTMENT:

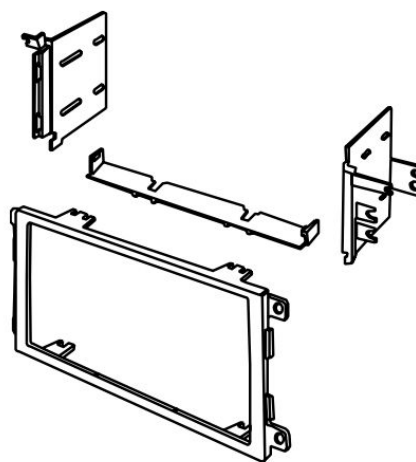
The DKGM-48D has a potentiometer to adjust the chime volume. It is set at the half way by default. To adjust the volume, simply use a suitable screwdriver and turn the potentiometer clockwise to increase the volume and counter-clockwise to decrease the volume.



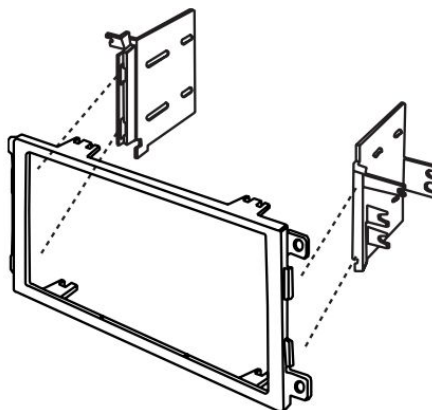
DASH KIT INSTALLATION:

Please make sure that you have all the parts shown below.

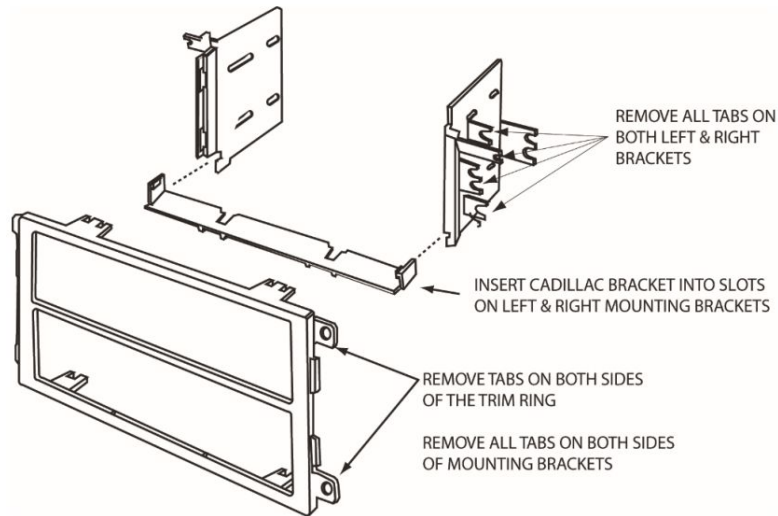
- (1) Main trim ring
- (1) Left ISO mounting bracket
- (1) Right ISO mounting bracket



Dash Kit Assembly



For some Cadillac installation, see diagram below:



VEHICLE APPLICATIONS:

YEARS	MAKE	MODEL	YEARS	MAKE	MODEL
2004-2005	BUICK	Century	2004-2011	GMC	Canyon
2004-2007	BUICK	Rainier	2002-2008	GMC	Envoy
2003-2007	BUICK	Rendezvous	2003-2007	GMC	Savana
2003-2006	CADILLAC	Escalade	2003-2006	GMC	Sierra
2003-2006	CHEVROLET	Avalanche	2007	GMC	Sierra Classic
2000-2005	CHEVROLET	Cavalier	2003-2006	GMC	Yukon
2004-2012	CHEVROLET	Colorado	2003-2007	HUMMER	H2
2004-2007	CHEVROLET	Express Van	2003-2008	ISUZU	Ascender
2000-2005	CHEVROLET	Impala	2001-2004	OLDSMOBILE	Alero
2000-2005	CHEVROLET	Monte Carlo	2002-2004	OLDSMOBILE	Bravada
2003-2004	CHEVROLET	S-10	2000-2004	OLDSMOBILE	Silhouette
2003-2006	CHEVROLET	Silverado	2001-2005	PONTIAC	Aztec
2007	CHEVROLET	Silverado Classic	2001-2005	PONTIAC	Grand Am
2003-2006	CHEVROLET	SSR	2000-2006	PONTIAC	Montana
2003-2006	CHEVROLET	Suburban	2000-2005	PONTIAC	Sunfire
2003-2006	CHEVROLET	Tahoe			
2002-2009	CHEVROLET	Trailblazer			
2003-2005	CHEVROLET	Venture			

STEERING WHEEL CONTROL BUTTON FUNCTIONS:

4 Button SWC

SWC BUTTON	SHORT PRESS	LONG PRESS
VOL +	Step Increment	Continuous VOL +
VOL -	Step Decrement	Continuous VOL -
AM/FM	Source	Pick Up Call
Preset	Activate VR	End Call

NOTES:

To Deactivate VR [on **Pioneer**, short press "PRESET"] [on **JVC** say "Cancel"]
 [on **Kenwood**, long press "PRESET"]

4 Button SWC - ALPINE

SWC BUTTON	SHORT PRESS	LONG PRESS
VOL +	Step Increment	Continuous VOL +
VOL -	Step Decrement	Continuous VOL -
Seek Up	Seek Up	N/A
Seek Down	Seek Down	N/A
Source Up	Pick Up Call	End Call
Source Down	Source	N/A
Prog	N/A	N/A
Voice	N/A	N/A

4 Button SWC - CLARION

SWC BUTTON	SHORT PRESS	LONG PRESS
VOL +	Step Increment	Continuous VOL +
VOL -	Step Decrement	Continuous VOL -
Seek Up	Preset Up	N/A
Seek Down	Preset Down	N/A
Source Up	Pick Up Call	End Call
Source Down	Source	N/A
Prog	Mute	N/A
Voice	Mute	N/A

4 Button SWC - JVC

SWC BUTTON	SHORT PRESS	LONG PRESS
VOL +	Step Increment	Continuous VOL +
VOL -	Step Decrement	Continuous VOL -
Seek Up	Seek Up	N/A
Seek Down	Seek Down	N/A
Source Up	Pick Up Call	End Call
Source Down	Source	N/A
Prog	Activate Voice Recognition	N/A
Voice	Activate Voice Recognition	N/A

NOTE:

To Deactivate VR, say "Cancel".

4 Button SWC - Kenwood

SWC BUTTON	SHORT PRESS	LONG PRESS
VOL +	Step Increment	Continuous VOL +
VOL -	Step Decrement	Continuous VOL -
Seek Up	Seek Up	Tune up
Seek Down	Seek Down	Tune Down
Source Up	Pick Up Call	End Call, Deactivate VR
Source Down	Source	N/A
Prog	Activate Voice Recognition	Deactivate VR
Voice	Activate Voice Recognition	N/A

4 Button SWC - Pioneer

SWC BUTTON	SHORT PRESS	LONG PRESS
VOL +	Step Increment	Continuous VOL +
VOL -	Step Decrement	Continuous VOL -
Seek Up	Preset Up	N/A
Seek Down	Preset Down	N/A
Source Up	Pick Up Call	End Call
Source Down	Source	N/A
Prog	Activate Voice Recognition	End Call, Deactivate VR
Voice	Activate Voice Recognition	Deactivate VR

STEERING WHEEL CONTROL BUTTON FUNCTIONS:

ANALOG SWC

BUICK - Century, LaCrosse, Rainier,
Rendezvous, Terraza

CHEVROLET - Corvette, Impala, Monte Carlo

OLDSMOBILE - Alero, Bravada, Silhouette

PONTIAC - Aztec, Grand AM, Grand Prix,
Montana, SUNfire

ALPINE

SWC BUTTON	SHORT PRESS	LONG PRESS
VOL +	Step Increment	Continuous VOL +
VOL -	Step Decrement	Continuous VOL -
Mode / Play	Source	N/A
Mute	Attenuation	N/A
Seek Up	Seek Up	N/A
Seek Down	Seek Down	N/A
Type Seek / Band	Pick up Call	N/A
Preset / 1-6	N/A	End Call

CLARION

SWC BUTTON	SHORT PRESS	LONG PRESS
VOL +	Step Increment	Continuous VOL +
VOL -	Step Decrement	Continuous VOL -
Mode / Play	Source	N/A
MUTE	Mute	N/A
Seek Up	Preset Up	N/A
Seek Down	Preset Down	N/A
Type Seek / Band	Pickup Call	End Call
Preset / 1-6	Activate Voice Recognition	N/A

JVC

SWC BUTTON	SHORT PRESS	LONG PRESS
VOL +	Step Increment	Continuous VOL +
VOL -	Step Decrement	Continuous VOL -
Mode / Play	Source	N/A
MUTE	Mute	N/A
Seek Up	Seek Up	N/A
Seek Down	Seek Down	N/A
Type Seek / Band	Pickup Call	End Call
Preset / 1-6	Activate Voice Recognition	N/A

NOTE:

To Deactivate VR, say "Cancel".

Kenwood

SWC BUTTON	SHORT PRESS	LONG PRESS
VOL +	Step Increment	Continuous VOL +
VOL -	Step Decrement	Continuous VOL -
Mode / Play	Source	N/A
MUTE	Mute	N/A
Seek Up	Preset Up	N/A
Seek Down	Preset Down	N/A
Type Seek / Band	Pickup Call	End Call, Deactivate VR
Preset / 1-6	Activate/Deactivate VR	N/A

Pioneer

SWC BUTTON	SHORT PRESS	LONG PRESS
VOL +	Step Increment	Continuous VOL +
VOL -	Step Decrement	Continuous VOL -
Mode / Play	Source	N/A
MUTE	Mute	N/A
Seek Up	Preset Up	N/A
Seek Down	Preset Down	N/A
Type Seek / Band	Pick Up Call	End Call
Preset / 1-6	Activate/Deactivate VR	N/A