



MDeck BA-2

Bluetooth Retrofit Kit

OWNER'S MANUAL

COMPATIBLE WITH



CM5905
CM5907
CM5908



GENERAL INFO

Thank you for purchasing an MDeck Bluetooth Retrofit Kit from Cantaloupe Radio. We go to great efforts to engineer a product that lets you get the most out of your factory radio today while remaining true to its period styling. Please take a minute to read this manual to ensure you get the most out of your purchase.

APPLICABLE RADIO MODELS

The MDeck BA-2 is designed to work with 3 factory BMW radios manufactured by Alpine Electronics: the CM5905, CM5907, and CM5908.

KIT CONTENTS

If you have opted for self-installation, begin by verifying your kit contains the following parts:

- MDeck BA-2 circuit board
- Microphone with windscreen and clip
- Microphone/Aux breakout cable
- 5-pin wiring harness
- 8-pin wiring harness
- (3) 4-40 screws

INSTALLATION

To make installation as clear and painless as possible, we have created high quality how-to videos taking you step-by-

step through the installation. To find these videos, visit:

www.cantalouperadio.com/videos

Follow the link for installation of the MDeck BA-2 into your particular radio.

MONEY BACK GUARANTEE

We're confident you'll enjoy this transformation of your factory radio. But, if for any reason, you are unsatisfied with the upgrade, let us know within 30 days of purchase to arrange for a return and full refund.

LIMITED WARRANTY

Your MDeck kit comes with a 1-year limited warranty against any defects hindering functionality. Should you experience any issues during this period, please contact us to resolve.

CONTACT US

Should you have any questions regarding installation, usage, or issues with your MDeck kit, please let us know via email or phone:

support@cantalouperadio.com
(800) 674-9294

OPERATION

The remainder of this manual describes the operation of your MDeck BA-2. The BA-2 works similarly in all 3 radios it supports, but with some slight differences. Therefore, we'll first cover common functionality, then cover model-specific controls on the following pages.

AUDIO SOURCES

With the MDeck installed, your radio has 3 possible audio sources: tuner (AM, FM, etc.), Bluetooth, and a 3.5mm auxiliary input. Cycling through these sources will be covered later. As a shorthand, the selected source may be referred to as the "mode" throughout this manual (ex. "Bluetooth mode" means Bluetooth source is selected).

The current source can be seen from the radio's LCD display. In Bluetooth mode, the **MTL** indicator will be either blinking or solid. In aux mode, the indicator will be off, and in tuner mode, the display will show the current station as normal.

BLUETOOTH CONNECTIONS

The MDeck doesn't have any special "pairing" mode to enter to connect a new device. Instead, it is always ready to connect a new device whenever it's not already connected. This state is indicated by **MTL** blinking while in Bluetooth mode. To connect, open your device's Bluetooth settings

and connect to "MDeck BA-2". After connecting, **MTL** will remain on.

In Bluetooth mode, a long press on the volume knob triggers one of two actions: if a device is connected, it causes a disconnection from that device; if nothing is connected, the MDeck attempts to reconnect the last device. Note this happens automatically when the radio is powered on.

INSTALLATION FAULT DETECTION

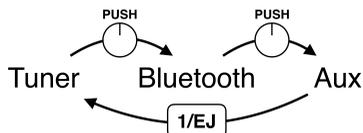
To protect against damage due to improper installation, the BA-2 safely detects the radio in which it is installed at each power-on. If one of the supported radios cannot be detected, a descending four-note chime will play shortly after startup to indicate this condition and functionality will be significantly reduced. This condition is caused by improper installation of the white flexible cable into the BA-2 board. Ensure the cable is inserted completely and, in the case of the CM5905 or CM5907 radio, aligned properly within the connector.

CM5905 & CM5907 OPERATION



SOURCE SELECTION

Cycling through the 3 audio sources is done by the following:



To switch from tuner to Bluetooth or Bluetooth to aux, push and release the volume knob. To switch from aux back to tuner, press the “1/EJ” button.

PLAY/PAUSE

To play or pause the streaming Bluetooth media, press the “5/PROG” button in Bluetooth mode. The playback state is indicated on the display. A “1” indicates content is playing and a “2” means it is paused.

PREVIOUS/NEXT TRACK

To seek to the previous or next Bluetooth track, use the corresponding “SEEK” button while in Bluetooth mode.

REWIND/FAST-FORWARD

To rewind through Bluetooth content, press the “3/REW” button. To fast-forward, press the “4/FF” button. To end either of these actions, press the same button again, or press the “5/PROG” button.

SIRI/GOOGLE VOICE ASSISTANT

Your phone’s voice assistant can be invoked directly from the radio by pressing the “1/EJ” button in Bluetooth mode. After a short delay, your assistant’s chime will play to indicate it is now listening for your command. Say your command and your assistant will process your request like normal. To dismiss the assistant at any time, press the “1/EJ” button again.

CALL HANDLING

When an incoming phone call is ringing, you can answer the call by pressing the “5/PROG” button. To reject an incoming call, press the “1/EJ” button. During a call, the call can be ended by pressing the “5/PROG” button.

AUTOMATIC SOURCE SWITCH FOR CALLS

To ensure an incoming call is not missed, the radio will automatically switch to Bluetooth mode if a call comes in while another source is selected.

DOLBY® NOISE REDUCTION

Note that Dolby Noise Reduction is still available in Bluetooth and aux mode. However, it should not be enabled as this will cause decreased audio clarity. It is disabled by default, but if a  icon is shown on the display, press the “2” button to disable it.

CM5908 OPERATION



SOURCE SELECTION

Cycling through the 3 audio sources is done by pressing the volume knob.

PLAY/PAUSE

To play or pause the streaming Bluetooth media, press the “2/PROG” button in Bluetooth mode. The playback state is indicated on the display. A “1” indicates content is playing and a “2” means it is paused.

PREVIOUS/NEXT TRACK

To seek to the previous or next Bluetooth track, press the 4-way pad up (next) or down (previous).

REWIND/FAST-FORWARD

To rewind through Bluetooth content, push the 4-way pad left. To fast-forward, push it right. To end either of these, push the same direction again, or press the “2/PROG” button.

SIRI/GOOGLE VOICE ASSISTANT

Your phone’s voice assistant can be invoked directly from the radio by pressing the “1/EJ” button in Bluetooth mode. After a short delay, your assistant’s chime will play to indicate it is now listening for your command. Say your command and your assistant will process your request like normal. To dismiss the assistant at any time, press the “1/EJ” button again.

CALL HANDLING

When an incoming phone call is ringing, you can pick up the call by pressing the “2/PROG” button. To reject an incoming call, press the “1/EJ” button. During a call, the call can be ended by pressing the “2/PROG” button again.

AUTOMATIC SOURCE SWITCH FOR CALLS

To ensure an incoming call is not missed, the radio will automatically switch to Bluetooth if a call comes in while another source is selected. When the call is ended, rejected, or missed, the radio will return to the previously selected source.

DOLBY® NOISE REDUCTION

Note that Dolby Noise Reduction is still available in Bluetooth and aux mode. However, it should not be enabled as this will cause decreased audio clarity. It is disabled by default, but if a  icon is shown on the display, press the “3” button to disable it.

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