



BA32 Factory+

Bluetooth Retrofit Kit

OWNER'S MANUAL

COMPATIBLE RADIOS



CM5905
CM5907



AJ8700



GENERAL INFO

Thank you for choosing a Cantaloupe Radio Factory+ Bluetooth Retrofit Kit. At Cantaloupe Radio, we take great pride in creating products that discreetly integrate modern technology into the factory radio of your classic car. Please take a few minutes to read this manual to ensure you get the most out of your purchase.

APPLICABLE RADIOS

The BA32 is designed to work with the BMW CM5905, BMW CM5907, and Jaguar AJ8700 radios.

CONTENTS

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

- BA32 circuit board
- (2) screws (these may be installed on either side of the circuit board)
- Microphone with windscreen and clip
- Microphone/Aux harness
- **CM5905 & CM5907 Only:** 5-pin wiring harness
- **AJ8700 Only:** Male 6-pin to male 5-pin wiring harness
- **AJ8700 Only:** Female 6-pin to male 5-pin wiring harness

MONEY BACK GUARANTEE

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

LIMITED WARRANTY

Your Factory+ 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.

INSTALLATION

To make installation as painless as possible, we provide installation videos taking you step-by-step through the process. To view the video, scan the QR below for your radio model.



BMW CM5905 & CM5907



Jaguar AJ8700

OPERATION

The BA32 works similarly in all 3 radios it supports, but with some slight differences. We'll first cover common functionality, then cover radio-specific controls later.

AUDIO SOURCES

With the Factory+ kit 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" meaning 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.

CONNECTING BLUETOOTH

Factory+ kits don't require any special "pairing" mode to enter before connecting a mobile device. Instead, the kit is always ready to connect whenever a device is not already connected. This ready-to-connect state is indicated by **MTL** blinking while in Bluetooth mode. To connect, open your device's Bluetooth settings and connect to "Cantaloupe Radio BA32". Once connected, **MTL** will remain on.

DISCONNECT & RECONNECT

In Bluetooth mode, a long press (>1sec) on the volume knob triggers one of two actions: if a device is connected, it will be disconnected; if no device is connected, the radio will attempt to reconnect a previously-connected device. Note this happens automatically when the radio is powered on.

DASHBOARD DESKTOP APPLICATION

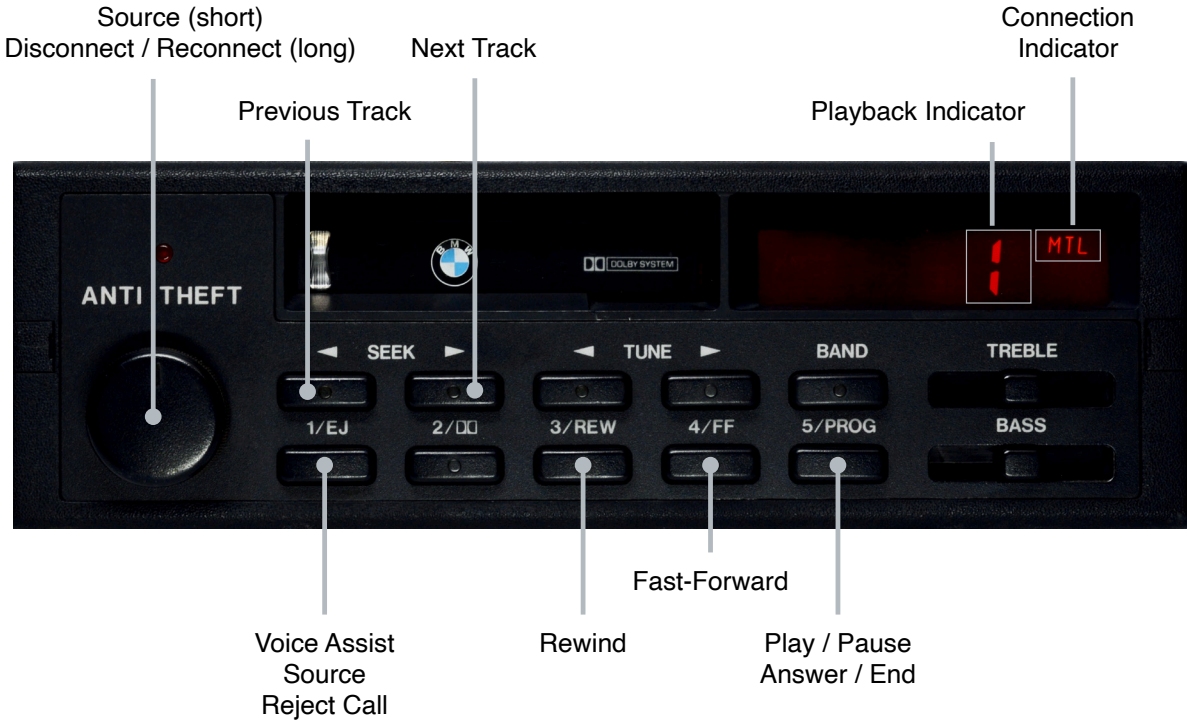
Our desktop application, *Dashboard*, helps you get the most out of your Factory+ kit. With *Dashboard*, you can:

- Customize device settings not available elsewhere
- Update firmware for new features and improvements
- Submit diagnostics if you encounter an issue
- Reset your Factory+ kit

Dashboard is available for Mac and Windows platforms. Scan the QR to the right for more info.

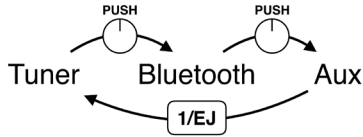


BMW CM5905 & CM5907 OPERATION



SOURCE SELECTION

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 Bluetooth track, 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” indicates 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. Note that depending on the currently-playing application on the mobile device, these may have different behaviors (continuous scrub vs. skip ahead/back) or not be supported.

VOICE ASSISTANT

Your mobile device’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 the assistant will respond. 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, it can be ended by pressing the **5/PROG** button.

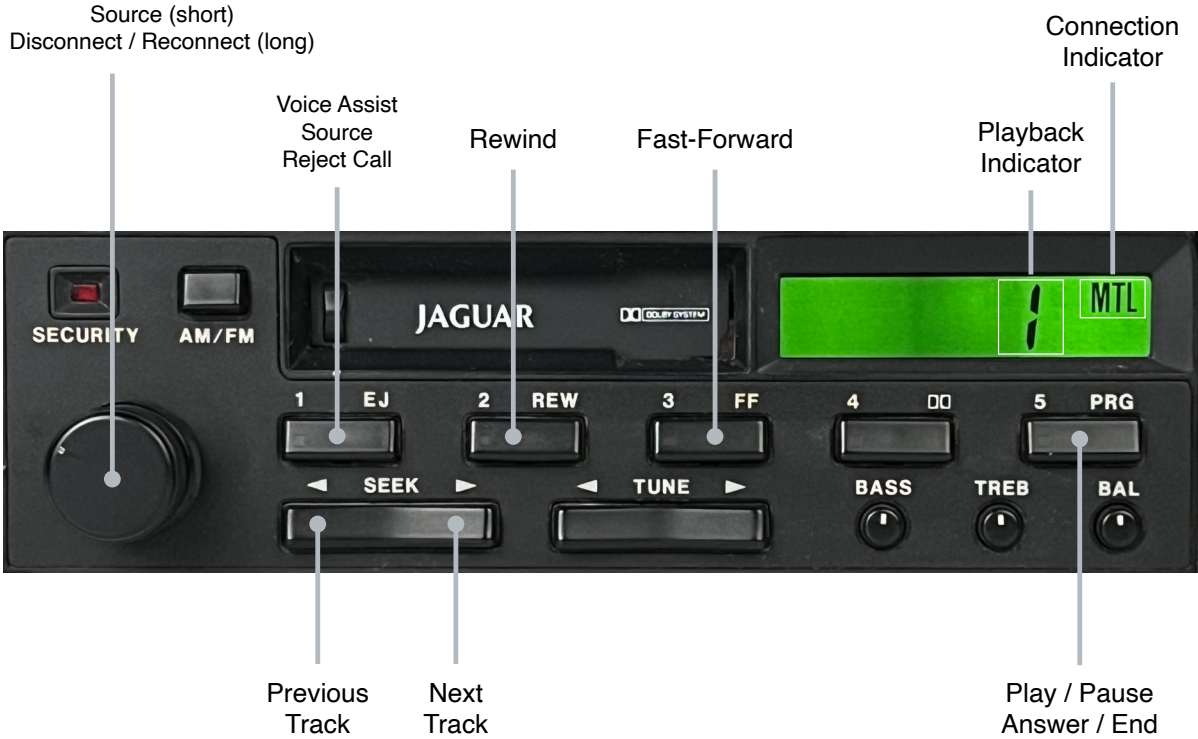
AUTOMATIC SOURCE SWITCH FOR CALLS

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

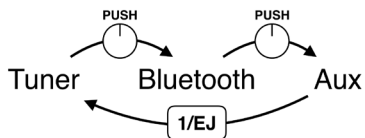
Note that it is still possible to engage Dolby Noise Reduction in Bluetooth and aux mode. However, it should NOT be enabled as it causes decreased audio clarity. It is disabled by default, but if a  icon is shown on the display, press the **2** button to disable it.

JAGUAR AJ8700 OPERATION



SOURCE SELECTION

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 Bluetooth track, press the **5/PRG** button in Bluetooth mode. The playback state is indicated on the display. A “1” indicates content is playing and a “2” indicates 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. Note that depending on the currently-playing application on the mobile device, these may have different behaviors (continuous scrub vs. skip ahead/back) or not be supported.

VOICE ASSISTANT

Your mobile device’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 the assistant will respond. 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/PRG** button. To reject an incoming call, press the **1/EJ** button. During a call, the call can be ended by pressing the **5/PRG** 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 it is still possible to engage Dolby Noise Reduction in Bluetooth and aux mode. However, it should NOT be enabled as it causes decreased audio clarity. It is disabled by default, but if a  icon is shown on the display, press the **4** button to disable it.

© 2023 Cantaloupe Radio LLC
Brooklyn, NY

Cantaloupe Radio is not affiliated with or endorsed by
BMW or Jaguar

Manual Version 1

