Volkswagen is taking a significant step forward with advanced infotainment systems that are more connected, more intuitive and more convenient. The new line-up of second generation touchscreen radios and navigation units is called MIB II. For MY2016, Car-Net now comprises three areas of driver connectivity, as well as one all-new feature: remote door locking.

The new MIB II units include some or all of these key features:

- **Intuitive operation** – Clearly organized controls and intuitive operation are engineered into the advanced infotainment technology in a Volkswagen. Numerous features available on some MIB II models are designed to make infotainment operation as user friendly as possible, while providing increased access to today's latest technology.

- **Faster processor** – Most MIB II units have dual-core processors that make them significantly faster than previous generation audio systems. Faster processors mean quicker start-up, smoother touchscreen performance, quicker route calculation, and a more responsive user experience.

- **USB connection** – For easy plug-in connection to smartphones and other devices, one USB port is included with each of the new MIB II units. Some portable devices are charged by the USB connection. No special Volkswagen-specific charging cord is required; simply use a charging cord compatible with the device. Even an Apple iPod integrates with the MIB II head unit while charging via USB!
• **Car-Net** features are compatible with these MIB II units: Composition Media, Discover Media and Discover Pro. For MY2016, the new Car-Net consists of App-Connect, Security & Service, and Guide & Inform.

• New **App-Connect** software associated with Car-Net allows the integration of smartphones directly to Composition Media, Discover Media, and Discover Pro via the front USB input. Regardless of whether the operating system is Apple iOS 8 or higher, or Android Lollipop 5.0 and higher, many smartphone functions and apps are “mirrored” on the car’s infotainment touchscreen, greatly expanding its capability and convenience.

• **Voice control** – To help keep hands on the wheels and eyes on the road, Composition Media, Discover Media, and Discover Pro respond to voice commands for a variety of functions. CarPlay's Siri integration and Android Auto's Google Now also respond to voice commands through the MIB II system.

• **Proximity sensor** – All MIB II units feature touchscreen controls, and they employ proximity sensors that detect when a hand is approaching, automatically switching from display mode to input mode. This feature allows greater operating convenience and safety when driving.
Four New Infotainment Units

Beginning with model year 2016, there are four new MIB II radio units available, depending on the car line and trim level. The acronym MIB comes from the German term, Modularer Infotainment Baukasten, or Modular Infotainment Platform.

Features

- 5-inch color touchscreen display
- Touchscreen responds to pressure (resistive)
- Six side menu hard keys for the functions of Radio, Media, Car, Setup, Sound, and Eject
- Single-disc CD player (MP3-capable)
- Eight speakers (4 x 20 watts output)
- AUX-IN connection and SD card slot located on head unit face
- One USB connection located in a compartment in the center console ahead of the gearshift for media device integration, such as an iPod
- Built-in Bluetooth with Bluetooth Audio capability
- Static display of photo files in JPEG and PNG format via SD card
- Double tuner with phase diversity for optimum radio reception
- Composition Color is not compatible with Car-Net features (categorized as: App-Connect, Security & Service, Guide & Inform)

Composition Color

- Composition Color radio does not support Voice Control. The talk button on the steering wheel will mute the radio. Bluetooth controls are still accessible via the steering wheel buttons and touch screen controls.
- See the Infotainment module for information on the Media Source Conditions for Playback.

Customer Benefits

- MP3-capable CD player can be used for playing self-burned CDs containing music files in MP3 and WMA format, for example
- Color screen provides an attractive display
- Large menu buttons make it easier to access main menus, especially when driving
- Resistive touchscreen can also be operated when wearing gloves

2016 Model Availability

- Jetta S
- Passat S, R-Line, R-Line w/ Comfort Package
- Golf TSI Base
- Tiguan S
- Beetle Fleet and Beetle S
Composition Media

Features
All the features of the Composition Color, plus...

- 6.5-inch color touchscreen display (Golf Family), 6.33-inch color touchscreen display (all others)
- Golf Family models feature “CAR” hard key on face of MIB unit; all other models feature the similar menu access through the MFI
- TFT Capacitive touchscreen with proximity sensors; responds to user’s hand approaching the screen
- Two additional side menu hard keys for the functions of “Phone” and “Voice”
- USB connection
- HD Radio
- SiriusXM Satellite Radio with Sirius Seek
- Bluetooth interface
- Voice Control
- USB and AUX-IN connections are integrated in a compartment in the center console ahead of the gearshift
- SD card slot and CD slot located on head unit for non-Golf models; SD and CD located in glove box for Golf models
- Compatible with Car-Net App-Connect and Security & Service features, but not Car-Net Guide & Inform
- See the Infotainment module for information on the Media Source Conditions for Playback.

Customer Benefits
- Large touchscreen makes operation easy
- Intuitive operation is the same as in smartphones
- Proximity sensors detect when a finger is approaching, increasing the size of the display and changing the interface from display to input mode for greater operating convenience and safety when driving
- Bluetooth interface permits quick and easy pairing of the radio with Bluetooth devices, such as mobile phones; access to the telephone’s address book is possible (note that Bluetooth connection is disabled and not needed when using a compatible device through CarPlay or Android Auto).
- Hands-free system means that the driver has both hands free for steering or changing gears when making phone calls or using voice commands, thereby increasing safety
- The smartphone- and tablet-compatible USB connection makes it possible to play back music files while charging the connected device (Note that tablets cannot be integrated into App-Connect; it is specific to compatible smartphones. However, compatible audio files can be accessed from a tablet using the USB input as a media interface.)
- Voice control provides additional operating convenience and safety

2016 Model Availability
- Jetta SE and Jetta GLI SE
- Passat SE
- CC Base
- e-Golf SE
- Golf SE
- GTI S and SE
- Golf SportWagen S and SE
- Golf R Base
- Tiguan R-Line
- Beetle SE
Features
All the features of the Composition Media, plus...

- Navigation module
- Two SD card connections on head unit face (one slot dedicated to navigation data software) for non-Golf models; SD slots and CD slot in glove box for Golf models
- 2D/3D map display
- Three routes can be calculated (shortest time, shortest distance, economical)
- Speed limit display
- Dynamic route guidance (for 4 years at no additional charge thanks to Sirius Traffic)
- Sirius Travel Link for weather, gas prices, sports updates, and more
- Preset POIs (points of interest)
- Compatible with all Car-Net features: App-Connect, Guide & Inform, Security & Service
- See the Infotainment module for information on the Media Source Conditions for Playback.

Customer Benefits
- Driver can select between different calculated routes, depending on whether the destination should be reached as quickly or as economically as possible
- “Single string” of information can be entered when searching for an address; no more narrowing down by state, city, street, etc.
- Route options can be customized to avoid toll roads, bridges, tunnels, etc.
- Information about speed limits assists the driver, especially on routes with frequent changes in limits
- Dynamic route finding helps to calculate alternative routes to avoid traffic jams
- POI display helps when searching for points of interest or other special destinations (such as fuel stations) in the vicinity

2016 Model Availability
- Jetta 1.8T Sport, SEL and SEL Premium
- Jetta GLI SEL
- Jetta Hybrid SEL Premium
- Passat SE w/ Technology, SEL, SEL Premium
- Golf SEL
- GTI Autobahn
- Golf SportWagen SEL
- Golf R w/DCC & Nav
- Tiguan SE and SEL
- CC Sport, R-Line, R-Line Exec, VR6 Exec
- Beetle SEL
Four New Infotainment Units (continued)

Features
All the features of the Discover Media, plus...

• 8-inch color touchscreen display
• Navigation with 3D-Landmarks, 3D-CityMap and Personal POI
• DVD player (unique to Discover Pro)
• Internal 64-GB SSD hard disk with 10.4 GB of user-accessible jukebox media storage
• Extended voice control “Premium”
• Playback of various video formats (AVI, MPEG, Divx, H.246) when not driving
• Podcast playback
• Integrated Gracenote database (adds information about music titles played on CD)
• In-car Wi-Fi (WLAN, or wireless local area network) hotspot
• Two SD card slots (one of which is dedicated to navigation data) and single CD slot located in glove box
• Discover Pro available on 2016 e-Golf SEL Premium only
• Note that Sirius Travel Link is not available with Discover Pro
• See the Infotainment module for information on the Media Source Conditions for Playback.

Customer Benefits

• Large color monitor permits high resolution and convenient operation
• On-screen display of landmarks (important buildings, etc.) facilitates orientation; particularly useful in unfamiliar cities to locate points of interest
• Built-in memory allows transfer of large music libraries from external devices
• Gracenote database provides useful information about songs being played (track, artist, track length, genre, etc.)
• “Premium” mobile phone preparation allows creation of a Wi-Fi hotspot
• All WLAN-capable and compatible components (smartphones, gaming consoles, tablets, etc.) can be connected to the Wi-Fi hotspot in the vehicle

Model Availability

• 2016 e-Golf SEL Premium only
### MIB II Features Comparison

<table>
<thead>
<tr>
<th>Feature</th>
<th>Composition Color</th>
<th>Composition Media</th>
<th>Discover Media</th>
<th>Discover Pro</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen size</td>
<td>5”</td>
<td>6.5”*</td>
<td>6.5”*</td>
<td>8”</td>
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<tr>
<td>Connecting multiple devices</td>
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<td>★</td>
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<td>Bluetooth</td>
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<td>Voice Control</td>
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<td>★</td>
<td>★</td>
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<tr>
<td>USB</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>Proximity Sensor</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>HD Radio</td>
<td>–</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>WVGA Resolution</td>
<td>–</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
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<td>Car-Net Security &amp; Service</td>
<td>–</td>
<td>★</td>
<td>★</td>
<td>★</td>
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<tr>
<td>Car-Net App-Connect</td>
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<td>★</td>
</tr>
<tr>
<td>Car-Net Guide &amp; Inform</td>
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<td>–</td>
<td>★</td>
<td>★</td>
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<tr>
<td>Navigation</td>
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<td>–</td>
<td>★</td>
<td>★</td>
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<td>Sirius Radio</td>
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<td>Sirius Travel Link</td>
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<td>–</td>
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<td>E-Mobility diagrams</td>
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<td>–</td>
<td>–</td>
<td>★</td>
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<tr>
<td>DVD Playback</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>★</td>
</tr>
</tbody>
</table>

*6.33” on non-MQB models: Passat, Beetle, Jetta, CC, Tiguan
Car-Net offers in-vehicle connectivity, safety and convenience for Volkswagen customers. For 2016 MIB II systems, the new and existing Car-Net features are compatible with Composition Media, Discover Media and Discover Pro.

**App-Connect**

One of the areas of the revised Car-Net suite of features, App-Connect brings smartphones onto the MIB II touchscreen to maximize the car’s convenience and networking capabilities. **No subscription is required, just a compatible smartphone and a USB cable!** App-Connect utilizes three software interfaces to integrate with many smartphone operating systems:

- MirrorLink™ (Android only at launch, Apple iOS possibly at a later date)
- CarPlay™ (Apple iOS 7 and higher)
- Android Auto™ (Google for Android Lollipop 5.0 and higher; Note that not all Android phones are compatible with all App-Connect features)

Users can seamlessly and safely use selected smartphone apps and functions on the MIB II display, as shown on the next page.

Customers whose smartphones are not compatible with App-Connect may still be able to take advantage of Bluetooth and Bluetooth Audio with their devices through the MIB II’s built-in Bluetooth.
App-Connect

MirrorLink

- Voice Control
- Phone
- Text messaging
- Third-party apps
- Volkswagen-developed apps:
  - **My Guide with Yelp and Google reviews:** POI recommendations based on vehicle date, environmental influences
  - **Think Blue. Trainer:** Informative, playful app, to improve fuel-efficient driving (MQB models only; delayed availability)
  - **Call & Remind:** Completion of to-do lists during drive including initiation of calls and voice memos to contacts
  - **Personalization and productivity apps:** Examples are “Play my favorite playlist if I drive over 60 mph” or “Launch specific app when connection to car has been established”
  - **Sound Journey:** Automatic creation of soundtrack for trip, based on driving data and selected music genre
  - **Drive&Track:** Recording of route including automatically generated waypoints
  - **Shared Audio:** Shared creation of a playlist from multiple smartphones

CarPlay

- Siri Voice Control
- Apple Maps
- Phone
- iMessage and text messaging
- Music
- Podcast
- Third-party apps (may have some restrictions), such as Beats Music, iHeartRadio, MLB.com At Bat, Spotify, Pandora, Stitcher, CBS Radio, Rdio, Overcast, Umano and more

Android Auto

- GoogleMaps
- GooglePlay
- Google Now Voice Control
- Phone
- Text messaging
- Music
- Third-party apps (may have some restrictions), such as Pandora, iHeartRadio, MLB.com At Bat, Spotify, Stitcher, Umano, Kik and more
Guide & Inform

Using a variety of data sources, Car-Net expands the collection of in-car navigation and GPS features, such as POI-send-to-car for safe and easy navigation to Points of Interest, and SiriusXM Travel Link for the latest in traffic reports, weather forecasts, movie listings, sporting event updates, and local fuel prices.

These Guide & Inform features work on Volkswagen models equipped with Discover Media or Discover Pro (although Discover Pro is not equipped with SiriusXM Travel Link services).

Security & Service

The Car-Net Security & Service subscription feature offers a variety of services such as Automatic Crash Notification, Remote Vehicle Access, Boundary Alert and Speed Alert, and Vehicle Health Report. A new feature for 2016 is a Digital Key with the ability to lock the Volkswagen’s doors from the Apple/Android mobile app or the internet-based Customer Web Portal.

Disclaimer

Volkswagen of America, Inc. believes this information to be correct at the time of release. Specifications of infotainment equipment, vehicle specifications, standard and optional equipment are subject to change. Images are for illustrative purposes only. Vehicle images may show European models and/or trim levels; U.S. specifications may differ.