

## What's New in CDR Version 23.0?

CDR version 23.0 software includes significant new vehicle coverage including SKODA for the China market and many changes listed below. Please review the notes below for more details of this release.

### GENERAL

- Updates to the CDR Devices

To program or update any CDR Tool device, connect the device and then select *Program CDR Devices* from the *Setup* menu in the CDR Tool menu and select a device to program. Follow instructions provided on the screen. There are connection help diagrams which show users how to connect to each device the user wishes to update. See links below for these connection help diagrams.

#### *Update CDR 900 firmware*

- The CDR 900 firmware was updated to ensure you have the latest capabilities for current and future releases
- After installing CDR 23.0 you need to take the time to update the CDR 900 firmware before using your CDR tool. If you do not, you will not be able to connect to the CDR 900 device.

#### *Update CDR 500 firmware*

- The CDR 500 firmware was updated to include support for the latest BMW airbag ECU, ACSM6
- After installing this new version of CDR software, you should take the time to update your CDR 500 firmware

### NEW CDR CABLES

The following CDR cables were released and planned to be available in December/January time period, starting this year. Contact your CDR Tool distributor for timing this coming December:

- **Cable ID852 CDR GM ACM (P/N 1699200985)**  
Direct-to-module cable for downloading EDR data from late model General Motors vehicles
- **Cable ID854 GM ASCM3 (P/N 1699503637)**  
Direct-to-module cable for downloading event data from late model ASCM systems

### AUDI (ALL SUPPORTED MARKETS)

- Added support for the following MY2022 Audi Vehicles
  - A1, A3, S3, RS3, A4, S4, A5, R5, RS5, S5, A6, A6L, S6, Avant, A6, A6L, S6, RS7, A8, A8L, S8, e-tron, Q2, Q3, Q4 e-tron, Q5, SQ5, Q7, Q7, Q8, R8

### BMW / MINI / ROLLS-ROYCE (VARIOUS MARKETS)

- Added support for new BMW ACM module, ACSM6 for MY2019 and newer vehicles
- Updated VIN decoding for many new models for MY2019 and newer vehicles for all markets
- Added Type, Variant and Version retrieval from the latest supported ASCMs (5&6) to BMW vehicles (BMW, MINI, RR) for vehicles supported in Europe market
- Added support for the latest data translations (EDID list version 0007 and 0008) for MY2020 and

newer vehicles

## **CITROEN (CHINA MARKET)**

- Added support for MY2021 Citroen C5X

## **FCA (ALL SUPPORTED MARKETS)**

- Jeep
  - Added support for MY2023 Grand Wagoneer, Wagoneer and Wrangler
  - Addressed a communication issue when retrieving data from a 2019 and newer Jeep Cherokee
- Alfa Romeo
  - added support for MY2022 Stelvio and Giulia for US/CA markets

## **FERRARI (US/CHINA)**

- Added support for MY2022 Ferrari 296 Spider and Purosangue for US and China market

## **FORD (US/CANADA/KOREA)**

- Added support to MY 2018 ~ 2023 Ford Ranger for Korean Market
- Added support for various new part numbers for late model Ford Ranger, F150 and other platforms

## **GENERAL MOTORS (ALL SUPPORTED MARKETS)**

- Updated the system specified for MY2022 GMC Sierra and Chevrolet Silverado from SDM-40 to SDM-50
- Corrected incorrect call out for CDR device support for CDR 900 for MY2020~MY2022 GMC Canyon. This vehicle is only supported with CANplus
- Added ASCM support for MY2023 vehicles
- SDM-40/41/42: changed these systems to support only CDR 900
- SDM-50 system changes:
  - Changed display states for display parameter "Notification Event Counter", "Notification Event Status", etc.
  - Removed the Data Identifier \$4AC0 read from the Downloaded Hexadecimal Data (DIDs) list
  - Changed data location for display parameter "Red Brake Telltale On" and "Brake Boost Status - Eboost"
  - Added display criteria to display parameter "GPS Latitude at Event" and "GPS Longitude at Event"
  - Removed display parameter "Micro controller Safing Timestamp" from CDR report and only display in ETR
  - Changed display criteria for display parameter "Outside Air Temperature"
  - Added data state "6 = Data Invalid" to display parameter "Adaptive Cruise Control Selected Mode"
  - Changed display criteria for display parameter "SIR Warning Indicator ON/OFF Time"
  - Added display of Front or Side Electronic Satellite Sensor display parameters
  - Changed display criteria for display parameter "Brake Pedal Driver Applied Pressure"

- Changed display criteria for display parameter "Engine Throttle"
- Changed display parameter name for "Ignition Prolongation Time" and "Collision Prolongation Time"
- Added display criteria to display parameter "UTC Day at Event".
- SDM-10/11 Delphi: changed data location for display parameter "SDM Recorded Vehicle Longitudinal Acceleration After FSR Enable" and "SDM Recorded Vehicle Lateral Acceleration After FSR Enable"
- SDM-10P Delphi: changed data location for display parameter "Time From EDR enable to Frontal AE", "Time From EDR enable to Rear AE", "Time From EDR enable to Left Side AE", "Time From EDR enable to Right Side AE"
- SDM-11e Autoliv: changed various display parameter names and display logic
- SDM-10/10i Autoliv: changed data location for display parameter "Driver Belt Switch Circuit Status" and "Driver Seat Position Status" in event #3
- SDM-11/11i Delphi: changed various parameter names and display logic
- SDM-40 & 42: changed display parameter name for "ABS Active (Antilock Brake System Active) (If Equipped)" and "Outside Air Temperature (If Equipped)"
- SDM-40 Continental: changed display parameter name and display logic for "Driver Center Inboard Loop Commanded (If Equipped)", "Driver Center Inboard Time From Time Zero to Deployment Loop Command Criteria Met (If Equipped)" for SDM-40 Continental.
- SDM-EPS: changed data location for display parameter "SIR Warning Lamp Status" when software part number is 30443237
- SDM-SDM-40 Conti, SDM-40 Delphi, SDM-42 Delphi, and SDM-44 Delphi: changed conversion of display parameter "AOS Data Key" and "SDM Primary Key Definition"
- SDM-10P Continental, SDM-20P Continental, SDM-30 Continental, SDM-10P Autoliv, SDM-11e Autoliv, SDM-11P Autoliv, SDM-30 Autoliv, SDM-10P Delphi, SDM-11e Delphi, and SDM-30 Delphi: Removed display parameter "Center Front Row Belt Switch Circuit Status (If Equipped)", "Left Row 3 Belt Switch Circuit Status (If Equipped)", "Center Row 3 Belt Switch Circuit Status (If Equipped)", and "Right Row 3 Belt Switch Circuit Status (If Equipped)"
- SDM-EPS: changed the display of Vehicle Speed to be displayed as one parameter and Validity Status should be displayed as a separate parameter
- SDM-40 Continental and SDM-40/42: removed display parameter "Center Front Row Belt Switch Circuit Status (If Equipped)" and "Center Row 3 Belt Switch Circuit Status (If Equipped)"
- SDM-11 Autoliv: changed the following display parameter names and display logic to only display only if equipped:
  - "Driver Pretensioner Deployment Loop #2 Commanded (If Equipped)"
  - "Passenger Pretensioner Deployment Loop #2 Commanded (If Equipped)"
  - "Driver Thorax Loop Commanded (If Equipped)"
  - "Passenger Thorax Loop Commanded (If Equipped)"
  - "Left Row 2 Thorax Loop Commanded (If Equipped)"
  - "Right Row 2 Thorax Loop Commanded (If Equipped)"
  - "Left Row 1 Roof Rail/Head Curtain Loop Commanded (If Equipped)"
  - "Right Row 1 Roof Rail/Head Curtain Loop Commanded (If Equipped)"
  - "Left Row 2 Roof Rail/Head Curtain Loop Commanded (If Equipped)"
  - "Right Row 2 Roof Rail/Head Curtain Loop Commanded (If Equipped)"
  - "Left Row 3 Roof Rail/Head Curtain Loop Commanded (If Equipped)"
  - "Right Row 3 Roof Rail/Head Curtain Loop Commanded (If Equipped)"
  - "Driver Knee Deployment Loop Commanded (If Equipped)"
  - "Passenger Knee Deployment Loop Commanded (If Equipped)"
  - "Left Row 2 Pretensioner Deployment Loop Commanded (If Equipped)"
  - "Right Row 2 Pretensioner Deployment Loop Commanded (If Equipped)"
  - "Center Row 2 Pretensioner Deployment Loop Commanded (If Equipped)"
  - "Battery Cutoff Loop Commanded (If Equipped)"
  - "Driver Roll Bar Loop Commanded (If Equipped)"

- "Passenger Roll Bar Loop Commanded (If Equipped)"
- "Steering Column Energy Absorbing Loop Commanded (If Equipped)"
- "Driver Head Rest Loop Commanded (If Equipped)"
- "Passenger Head Rest Loop Commanded (If Equipped)"
- "Left Row 2 Head Rest Loop Commanded (If Equipped):
- "Right Row 2 Head Rest Loop Commanded (If Equipped)"
- "Center Row 2 Head Rest Loop Commanded (If Equipped)"
- "Driver Seat Position Status (If Equipped)"
- "Passenger Seat Position Status (If Equipped)", and "Passenger SIR Suppression Switch Circuit Status (If Equipped)"

## **HONDA / ACURA (US/CANADA)**

- Added CDR 900 support for all supported Honda/Acura vehicles
- Added the support for following vehicles:
  - MY2023 Honda Civic, Passport and Pilot
  - MY2023 Acura RDX and TLX

## **MAZDA (US/CA)**

- Added support for the following MY2023 Mazda vehicles
  - CX-5
  - CX-9
  - CX-30
  - Mazda3
  - Miata (MX-5)
  - MX-30

## **MERCEDES-BENZ (CHINA)**

- Added China UDR download option for Mercedes-Benz brands
- Added support for the following MY2023 Mercedes-Benz vehicles for the China market, The vehicle are supported via the China UDR option available to the China marker CDR Tool users
  - A-Class Limousine / Kompakt Limousine /Hatchback
  - AMG GT
  - B-Class Limousine
  - C-Class
  - CLA-Class Limousine
  - CLA-Shootingbrake
  - EQA & EQB
  - EQE
  - EQS
  - GLA & GLB-Class
  - GLC-Class
  - GLE-Class
  - GLS-Class
  - S-Class
  - SL

## **MITSUBISHI (ALL SUPPORTED MARKETS)**

- Additional part numbers were added ranging from model years 2006 through 2022
- Changed ACM cable call out for MY2022 Expander
- Added support for MY2023 Outlander
- Made data element name changes to ABS and ESP Faulty Indicator Lamp, ESP Activity, Parking Brake, Engine Throttle, Accelerator Pedal Cruise Control System State, and Brake Switch for the following vehicles
  - 2008~2017 Galant and Lancer Sportback
  - 2008~2015 Lancer
  - 2007~2020 Delica D:5
  - 2006~2013 Outlander
- Change translation of the ECU serial number for the following vehicles:
  - 2014~2016 i-MiEV, Mirage, Mirage G4, Space Star and Attrage

## **NISSAN (VARIOUS)**

- Added the following vehicle support
  - 2020 Nissan Frontier (US/CA)
  - 2022 Nissan ARIYA (US/CA/Japan)
  - 2022 Nissan Altima (US/CA)
  - 2022 Nissan Armada (US/CA)
  - 2022 Nissan Fairlady Z (Japan market)
  - 2022 Nissan Frontier (US/CA)
  - 2022 Nissan Kicks (US/CA)
  - 2023 Nissan Leaf (US/CA)
  - 2022 Nissan Maxima (US/CA)
  - 2022 Nissan Murano (US/CA)
  - 2022 Nissan Pathfinder (US/CA)
  - 2023 Nissan Pathfinder (US/CA)
  - 2022 Nissan Versa (US/CA)
  - 2022 Nissan Titan, TitanXD (US/CA)
  - 2022 Nissan Sakura (Japan market)
  - 2023 Nissan Z (US/CA)
  - 2023 Infiniti Q50 (US/CA)
  - 2022 Infiniti QX50 (US/CA)
  - 2022/2023 Infiniti QX55 (US/CA)

## **SKODA (ALL MARKETS)**

- Added support for MY2020 and newer SKODA vehicles for the China market
- Added support for MY2020 and newer SKODA Kodiaq and Superb vehicles for all markets these vehicle are sold

## **SUBARU (VARIOUS MARKETS)**

- Updated Bosch and Denso EDR Data Limitations
- Added ROM IDs for addition and unsupported vehicles
- Added support for MY2023 Ascent

## **TOYOTA (VARIOUS MARKETS)**

- Updated the module location information for the 2005 and newer Lexus GS to "Under Center Console"
- Added support for the following Toyota/Lexus vehicles
  - 2019 Toyota Auris including HV
  - 2021 Toyota Alphard, Vellfire, Collora/Collora HV
  - 2022 Lexus NX
  - 2022 Toyota ACROSS, Aqua, Aygo, Camry (includes HV), Coaster, Tundra, Yaris,
  - 2022 ~ 2023 Toyota Harrier, Venza
  - 2023 Toyota bZ4X, Corolla Cross, Crown, Noah, Voxy
  - 2022 Lexus RX

## **VOLVO / POLESTAR (VARIOUS MARKETS)**

- Corrected CDR cable call out for 2018 Volvo XC60 from F00K108799 to Cable ID 816
- Added support for MY2022 C40, S60, V60, XC40 and Polestar 2 vehicles sold in US/CA markets

## **VOLKSWAGEN (VARIOUS MARKETS)**

- Added support for the following VW vehicles:
  - 2022 Caddy - where sold
  - 2022 ID.6 (X & CROZZ)- china
  - 2022 Nivus - where sold
  - 2022 Talagon - China