

The version history of the Ford Power-Up updates for the [Ford SYNC Version 4 and 4a](#) hardware developed by [Ford Motor Company](#) began with the release of the 2021 Mustang Mach-E in December 2020. This was simply referred to as over-the-air updates until May 2021 when Ford adopted the "Ford Power-Up" name.^{[1][2][3]}

Overview

The Ford Power-Up updates have the ability to upgrade the user interface as well as reprogram module firmware within the vehicle. Ford expects to produce 33 million vehicles with Power-Up capability by 2028.^[2] Not all vehicles have the same software layout due to the differences in the user interfaces. SYNC 4 comes with an 8 or 12 inch horizontally oriented main display while SYNC 4a comes with a 12 or 15.5 inch vertically oriented main display.^[4]

Future Features

Ford has publicly discussed enhancements for future Power-Up updates. The precise timing and grouping of these updates has not been announced. These features may be released across several versions, and some or all of these features may not be released for certain vehicles, model years, or at all.

These future features include:

- BlueCruise updates
 - Lane Change Assist (change lanes with a tap of the turn signal)^[5]
 - Predictive Speed Assist (adjust vehicle speed for road curves, roundabouts and more) ^[5]
 - In-Lane Repositioning (helps hands-free highway driving feel more natural by keeping the vehicle in its lane while subtly shifting its position away from vehicles in adjacent lanes, especially large semi trucks)
- Touchscreen Games
 - "Escape Room"^{[6][7]}
- Add a "Pet Mode"^[8]
- Add software controlled front trunk release button (for vehicles not shipped with it enabled)^{[9][10]}
- Unlock 2021 model Mustang Mach-E usable battery to the same level as 2022 models (from 68 to 70 kWh and from 88 to 91 kWh)^[11]

Versions

The following table summarizes the release history for the [Ford SYNC Version 4 and 4a](#) Power-Up software updates.

Applicability	Version	Release Date NA	Release Date EU	Changes	Modules Updated	Vehicle Unavailable (Minutes)
Mustang Mach-E	4.2.2.2	March 2023	Not available	Adds camera icon to header bar for 2023MY vehicles	APIM	
Mustang Mach-E	4.2.2	March 2023	Not available	- Improvement/adjustment of previous OTA 4.1.2 - SYNC updated to Version 23031 Rev. 713	APIM	
Lightning, Mustang Mach-E, F150	4.2.1	February 2023	Not available	- This particular update will set you up for all future ones to come. Think of it as the update that opens the door for all the others to enter through. - Ability to enter your vehicle using your Key Fob during a non-drivable update. (F150) - Pop-up alerts to inform you when a precondition is not being met so that you can take the required action to receive your update. For a non-drivable update, preconditions may include that your vehicle is parked, it's not running, all the lights are off, doors and trunk are closed, and you're not pressing the brake pedal. (F150)	GWM ^[12]	
Mustang Mach-E	4.1.3	January 2023	Not available	SYNC update to support public WiFi	GWM	
Mustang Mach-E	4.1.2	January 2023	Not available	- SYNC new design, updated to Version 22326 Rev. 640 - Volume knob enables control of cabin temperature, fan speed and heated seats - New games: Bridge Battle and Parking Lot	APIM	
Lightning, Mustang Mach-E	4.1.1	December 2022	Not available	- Adds ability to enter your vehicle using your Key Fob during a non-drivable update - You'll now receive new pop-up alerts to inform you when a precondition is not being met so that you can take the required action to receive your update. For a non-drivable update, preconditions may include that your vehicle is parked, it's not running, all the lights are off, doors and trunk are closed, and you're not pressing the brake pedal.^[13]	GWM	
Mustang Mach-E	3.6.2	December 2022	Not available	- Improved the accuracy of distance-to-empty measurement - Added en-route battery pre-conditioning when utilizing the built-in navigation system^[14]	ABS, BECM, PCM, SOBDM, SOBDMB, SOBDMC ^[15]	Yes (25) ^[15]
Mustang Mach-E	3.6.1	October 2022	Not available	Customer Satisfaction Program 22B28	HVAC	Yes (15)

				HVAC update to improve the heat capability at or below -15C/5F		
Mustang Mach-E	Un-Numbered	October 2022	Not available	- Customer Satisfaction Program 21B36 - Fine tuning Phone As A Key software	RFA	
Mustang Mach-E	3.5.4.2	October 2022	Not available	Minor fine-tuning	TCU ^[16]	
F150, Lightning, Mustang Mach-E	3.5.4	October 2022	Not available	Minor adjustment. Support for two Bluetooth phones simultaneously.	TCU ^[17]	
Mustang Mach-E	3.5.3.3	September 2022	Not available	- Video streaming apps for US vehicles: YouTube, NBC News, NBC Today^{[18][19]} - Video streaming requires a Wi-Fi connection or an active Ford Streaming Connected Service plan	GWM ^[18]	
2022 F150	3.5.3.2	January 2023	Not applicable	Dynamic Screen Resizing When you're using Android Auto™ or Apple CarPlay®, you can now make them appear on your touchscreen in the size you prefer.	APIM	
2021 F-150, Lightning, Mustang Mach-E	3.5.3	September 2022	Available via FDRS	- Additional games: Lane Change, Sudoku, Jigsaw Puzzles - After this update completes, Ford provisions Amazon Alexa feature activation in the primary owner's Connected Services account and the vehicle enables built-in Alexa support shortly afterward. - Enables full screen CarPlay & Android Auto on F150. - SYNC new design, updated to Version 22228 Rev. 539	APIM ^[20]	
Mustang Mach-E	3.5.2.1	Not applicable	January 2023	OTA version apparently released only to EU cars Preparing your vehicle for Alexa Built-in^[21]	GWM	
Mustang Mach-E	22-PU1212-SWS-ECGMP	Not applicable	January 2023	OTA version apparently released only to EU cars Minor GWM update	GWM	
F-150, Mustang Mach-E	3.5.2	September 2022		Preparing your vehicle for Alexa Built-in^[21]	GWM ^[22]	
F150, Mustang Mach-E	22-PU0706-SCH-POPA	September 2022		Minor Adjustments		
F150, Mustang Mach-E	22-PU0727-VI-FXA	September 2022		Added horn and lights feature in FordPass without Bluetooth connection		
F-150, Mustang Mach-E	22-PU0707-SCH-POPB	August 2022		The functionality of rear-view cameras has been improved	APIM ^[23]	

				Added picture in picture capability to Trailer reverse guidance. Some camera views are now available while driving.		
F-150, Mustang Mach-E	22- PU0727- VI-FXB	August 2022		- Prepares for future power steering control module (PSCM) OTA updates by ensuring that a failure to de-inhibit condition is prevented.^[24] - Minor Adjustments - BlueCruise map updates	GWM ^[25]	
Lightning, Mustang Mach-E	3.3.1	August 2022		- Alexa Built-in^[26] - Climate control touchscreen options and menus are improved for easier and faster access - Updated digital owner's manual	TCU ^[26]	
Mustang Mach-E	3.2.1	August 2022		- Second update in the 3 update series ^[27] to add Alexa Built-in ^[27] - Advanced dual phone^[28] (concurrent access to up to two Bluetooth connected phones for incoming calls, contacts, text messages, emails, and more) - Preparation for Ford Streaming (music and podcasts) subscription option - Additional games: Lane Change, Sudoku, Jigsaw Puzzles - Android Auto can be expanded to fill more of the display^[29] (it now resizes to fill either of the two view expansion states) - Updated SYNC to Software Version: 22179_PRODUCT Revision: 478^[30]	APIM ^[28]	
Lightning	3.2.0	August 2022	Not applicable	- Advanced dual phone^[31] (concurrent access to up to two Bluetooth connected phones for incoming calls, contacts, text messages, emails, and more) - Updated digital owner's manual - Additional game: DoubleSum (requires SYNC 4A) - Addresses issue to ensure that payload limit warning (requires Onboard Scales function) appears on top of other open panes	APIM	
Mustang Mach-E	3.1.1	July 2022		First update in the 3 update series ^[27] to add Alexa Built-in^[27]	GWM	
Lightning	3.1.0	July 2022	Not applicable	Minor adjustments^[32]	GWM ^[32]	

Mustang Mach-E	Un-Numbered	July 2022		- Update to address recalls 22S41 & 22S29^[33] - Includes all previous powertrain fixes including faster charging curve, battery capacity increase, and brake pedal feel	ABS, BECM, PCM, SOBDM, SOBDMB, SOBDMC	Yes (35)
Mustang Mach-E	22-PU0603-DC-CHG	July 2022		Improved DC Fast Charging	OBCC ^[34]	Yes (10)
Mustang Mach-E	2.7.4	July 2022		Update to prevent erroneous DTC U1A01:93 from being set in the TCU^[35]	TCU	
F-150 Mustang Mach E	22-PU0614-SRV-RC	June 2022		Minor adjustment to prepare for future updates	GWM ^[36]	
Mustang Mach-E	2.7.3	May 2022		- Brake pedal feel is modified to allow for smoother braking - Some additional minor fine-tuning here and there - Addresses recall 22S41, to protect high-voltage battery components (contactors) from excessive heat generated during DC fast charging and repeated full throttle events^{[37][38]} - Addresses recall 22S29 for applicable vehicles, fixing a software glitch that could potentially cause unintended acceleration, deceleration, or vehicle movement	ABS, BECM, PCM, SOBDMA, SOBDMB, SOBDMC	Yes (35) ^[39]
Bronco	2.6.2	May 2022		Minor updates here and there. Just small stuff to keep everything running smoothly.^[40]		
F-150, Mustang Mach-E	2.5.3/2.8.3	March 2022		- Minor adjustments^[41] - Some camera views are now available while the vehicle is in motion^[42] - Added Picture-in-Picture capability to the Trailer Reverse Guidance feature - Updated SYNC to Software Version: 22034_PRODUCT Revision: 364(2.5.3)^[43] - Updated SYNC to Software Version: 22095_PRODUCT Revision: 421(2.8.3)	APIM ^{[44][45]}	
F-150, Mustang Mach-E	2.5.2/2.8.2	March 2022		- Enabled BlueCruise hands free driving feature^[46] - Minor updates "here and there"^[47] - Sixth update of several to enable BlueCruise^[48]	GWM ^{[42][49]}	
F-150, Mustang Mach-E	2.5.1/2.8.1	March 2022		Enabled driver attention monitoring camera while cruise control and lane centering are enabled, with distraction	IPMA, ADAS, DSMC, CMR, CCM, PSCM ^{[42][51]}	Yes (145)

				- messaging to driver "Watch the road" - Removed the nonfunctioning frunk button^[43] - Minor fine-tuning to keep everything up to date^[50] - Fifth update of several to enable BlueCruise^[48] - Pro Trailer Backup Assist refinements (you can now choose either the checkered target sticker or the yaw rate sensor to detect trailer angle)		
Mustang Mach-E	2.4.5	March 2022		- Updated SYNC to Software Version: 22028_PRODUCT Revision: 358^[52] - Minor updates "here and there"^[53] - Fourth update of several to enable BlueCruise^[48]	APIM ^[54]	
F-150, Mustang Mach-E	2.4.4/2.7.4	March 2022		- Small adjustments so your vehicle can prepare for future updates^[55] - Third update of several to enable BlueCruise^[48]	IPC ^[56] [42][57]	Yes (30)
F-150, Mustang Mach-E	2.4.3/2.7.3	February 2022		- Added an information bar on the right side of I.P.C. messages^[58] - Added tenths of a mile in I.P.C. odometer above 10,000^[59] - Added a snowflake on the I.P.C. when the temperature drops below 4 °C(40F)^[60] - Minor updates here and there^[61] - Fix 12v battery drain due to I.P.C. backlight failing to turn off^[62] - Second update of several to enable BlueCruise^[48]	IPC ^[56] [63][42]	Yes (30)
Mustang Mach-E	2.4.2/2.7.2	February 2022		- Fixed the brake pedal feel to allow for smoother braking^[64] - Updated the charging curve to increase charging speed above 80%^[65] - Minor fine tuning "here and there" to ensure things are running smoothly^[64] - First update of several to enable BlueCruise^[48]	PCM, SOBDMA, SOBDMC, BECM, BCCM, EVCM, ABS ^[66]	Yes (35)
F-150, Mustang Mach-E	2.4.1/2.7.1	February 2022		Fixed an issue with horn and lights feature in FordPass^[67]	GWM ^[56] [68][69]	
F-150, Mustang Mach-E, Bronco	2.3.0/2.6.0	January 2022		- Added Multi-Day OTA update scheduling for certain updates that require the vehicle to remain off for up to 30 minutes^[70] - Added "Update Now" function^[70] - Added Ford assistant. Activated by saying, "OK, Ford"^[70]	APIM, TCU ^[78]	

				▪ Added speed sign recognition to the driver assistance Adaptive Cruise Control sub-menu, replacing Intelligent Adaptive Cruise Control^[70] ▪ Trailer Light Check can be activated from the FordPass app and from SYNC.^[56] ▪ Added Tiles game^[70] ▪ Added Blocks game^[70] ▪ Added coloring images to sketch app^[71] ▪ Added additional Apple CarPlay navigation info to the instrument cluster^[72] ▪ Added EV routing for Apple Maps (iPhone reads vehicle and battery data via CarPlay)^{[73][74]} ▪ Fixed large format Apple CarPlay^[75] ▪ Fixed issue causing inconsistent or incorrect display of an upcoming route step progress bar in the instrument cluster when using Android Auto navigation ▪ Changed volume level bar from vertical to horizontal, addressed issue where first volume adjustment didn't display visual feedback^[76] ▪ Updated SYNC to Software Version: 21281_PRODUCT Revision: 244^[77] (2.3.0) ▪ Updated SYNC to Software Version: 22087_PRODUCT Revision: 415 (2.6.0) ▪ Various user interface refinements, including a dismissal cue when sliding cards downwards and several organizational refinements to the navigation app.		
Bronco	2.1.1	January 2022		▪ Minor updates ▪ Added horn and lights feature in FordPass^[79]	GWM ^[56]	
F-150, Mustang Mach-E, Bronco	2.1.0	December 2021		▪ Minor updates "here and there" to keep things running smoothly.^[80] ▪ Enabled the "Horn & Lights" button in FordPass via cellular.^[81]	GWM ^{[56][82]}	
Bronco	1.9.0	December 2021		▪ Added new SecuriAlert feature^[83]		
Mustang Mach-E	1.8.0	Unknown		▪ Added new trip logs (This version may not have been released)^[84]		
F-150, Mustang Mach-E, Bronco	1.7.1	September 2021		▪ Added remote vehicle setup using FordPass to setup profile preferences^[85] ▪ Added calculator^[85] ▪ Added Tic-Tac-Toe game^[85]	APIM ^[90]	

				▪ Added notes^[85] ▪ Added navigation automatically making destination suggestions^[85] ▪ Added new cloud connectivity combining voice commands with internet searches^[85] ▪ Added Apple CarPlay displaying turn-by-turn navigation on the instrument cluster^[85] ▪ Added pressing the volume knob to enable the calm screen^[86] ▪ Added an "X" to the upper left corner to exit certain areas^[86] ▪ Added an option to unlatch the front hood ("frunk"). Electronic frunk opening is not yet enabled on MY2021 Job 1 vehicles.^[86] ▪ Added large format mode for Apple CarPlay^[87] ▪ Fixed ambient light graphic to no longer show the rear seats illuminated^[86] ▪ Fixed SiriusXM Song/Artist alerts^[85] ▪ Fixed audio settings resetting after a key cycle^[88] ▪ Fixed Android Auto connection concerns^[88] ▪ Fixed Sirius presets missing more than three pages after a key cycle^[88] ▪ Fixed Information and entertainment screen freezing/locking up^[88] ▪ Fixed Pro-Power Onboard messaging confusion after a tripped circuit breaker^[88] ▪ Fixed Wi-Fi keyboard defaulting to UK English^[88] ▪ Fixed WMA files not playing properly from a USB device^[88] ▪ Fixed Intermittent blank information and entertainment screen^[88] ▪ Fixed Apple CarPlay connection concerns^[88] ▪ Fixed Bluetooth connectivity concerns^[88] ▪ Changed user profile icons on SiriusXM with 360L radio to larger size^[85] ▪ Updated SYNC to Software Version: 21174_PRODUCT Revision: 168^[89] ▪ Various bug fixes^[85]		
Mustang Mach-E, Bronco	1.6.0	July 2021		▪ Minor fine tuning^[91]	GWM ^[92]	
F-150, Mustang Mach-E	1.4.0	June 2021		▪ Added SecuriAlert (sends an alert to FordPass app when a door is opened)^[93]	GWM ^[95]	

				- Fine-tuned Pro Power Onboard^[94] - Minor bug fixes and refinements^[93]		
Mustang Mach-E	1.3.0	June 2021		- eCall software update^[96] - Updated SYNC to Software Version: 21139_PRODUCT Revision: 263^[96]		
F-150, Mustang Mach-E	G21A-2	April 2021		Bug fixes and minor refinements^{[84][97]}		
F-150, Mustang Mach-E	G21A-1	March 2021		- Corrects the F-150 zone lighting battery concern^[98] - Bug fixes and minor refinements^{[84][98]}		
Mustang Mach-E	Unknown	December 2020		Initial release		

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