# XBB Dongle + Tesla: Recept, Donglar och Adapterkablage

Komplett översikt över alla XBB-recept, vilken dongel och adapterkabel som krävs per Tesla-modell.

| Setup | Recept | Receptnamn (som kunden ser det) | XBB Dongel | Adapterkabel (Sensotech) | Inkopplingsplats | Batteri | Adaptivt helljus | Signaler |
|---|---|---|---|---|---|---|---|---|
| **A** | #1164 | Tesla Model 3/Y (Gen.1/1st facelift)<br>Adaptive LED headlights (2017-2023) | Standard XBB<br>(blå förpackning) | 26 Pin CAN Bus Cable<br>(M3/Y 01/2019->10/2023) | Mittkonsol<br>(från baksätet) | Bly 12V | Ja<br>(FW 2025.2.8) | HIGHBEAM<br>HIGHBEAM_PWM |
| **A** | #1117 | Tesla Model 3/Y (Gen.1/1st FL/2nd FL<br>(Highland)/Li-Ion (16V) LV battery)<br>Adaptive LED headlights (2021-Present) | Standard XBB<br>(blå förpackning) | Pre-HL: 26 Pin Cable<br>Highland: Highland Cable PRO | Pre-HL: Mittkonsol<br>HL/Jun: A-stolpe | Li-Ion 16V<br>BATTOFF 14.5V | Ja<br>(FW 2025.2.8) | HIGHBEAM<br>HIGHBEAM_PWM |
| **A** | #1301 | Tesla Model 3/Y (Gen.1/1st FL/2nd FL<br>(Highland)/Li-Ion (14.4V) LV battery)<br>Adaptive LED headlights (2021-Present) | Standard XBB<br>(blå förpackning) | Pre-HL: 26 Pin Cable<br>Highland: Highland Cable PRO | Pre-HL: Mittkonsol<br>HL/Jun: A-stolpe | Li-Ion 14.4V<br>BATTOFF 13.7V | Ja<br>(FW 2025.2.8) | HIGHBEAM<br>HIGHBEAM_PWM |
| **A** | #1428 | Tesla Model Y (Juniper)<br>Adaptive LED headlights (2025-Present) | Standard XBB<br>(blå förpackning) | Juniper Diagnostics Cable<br>(MY Juniper 02/2025->) | Bakom passagerarens<br>A-stolpe (ENBART) | Li-Ion 14.4V<br>BATTOFF 13.7V | Ja<br>(ej verifierat) | HIGHBEAM<br>HIGHBEAM_PWM |
| **B** | #864 | Tesla Model S/X (Gen.1 2nd facelift)<br>LED headlights (2021-present) | Standard XBB<br>(blå förpackning) | S/X Plaid 2021+<br>Diagnostics Cable | Under center-displayen<br>(ta bort laddplattan) | - | Nej | Standard<br>helljus |
| **B** | #1121 | Tesla Model S/X (Gen.1/1st & 2nd FL/Li-Ion LV battery)<br>Adaptive LED headlights (2023-Present) | Standard XBB<br>(blå förpackning) | S/X Plaid 2021+<br>Diagnostics Cable | Mellan center-display<br>och telefonladdare | Li-Ion 16V<br>BATTOFF 14.5V | Ja | HIGHBEAM<br>HIGHBEAM_PWM |
| **C** | #65 | Tesla Model S (Gen.1)<br>Bixenon headlights (2012-2016) | Tesla-specifik XBB<br>(röd förpackning) | Ingen kabel krävs<br>(Tesla-dongel direkt i OBD2) | OBD2 under ratten | - | Nej | Standard<br>helljus |
| **C** | #64 | Tesla Model S (Gen.1 facelift)<br>LED headlights (2016-2021) | Tesla-specifik XBB<br>(röd förpackning) | Ingen kabel krävs<br>(Tesla-dongel direkt i OBD2) | OBD2 under ratten | - | Nej | HIGHBEAM<br>HIGHBEAM_MANUAL |
| **C** | #257 | Tesla Model X (Gen.1 facelift)<br>LED headlights (2016-2021) | Tesla-specifik XBB<br>(röd förpackning) | Ingen kabel krävs<br>(Tesla-dongel direkt i OBD2) | OBD2 under ratten | - | Nej | HIGHBEAM<br>HIGHBEAM_MANUAL |

■ Setup A = Model 3/Y, Standard XBB (blå) + kabel via mittkonsol/A-stolpe | ■ Setup B = Model S/X 2021+, Standard XBB (blå) + kabel under center-display | ■ Setup C = Äldre S/X, Tesla-specifik XBB (röd), OBD2 direkt
PWM (alla adaptiva utom #1164): Timer On: 4s, Timer Off: 250ms, Brightness Inc: 25, Dec: 100

### Beställ adapterkablage (Sensotech / Scan My Tesla):

Model 3 (01/2019->10/2023) 26 Pin Cable PRO:
https://sensotech.it/products/model-3-01-2019-10-2023-26-pin-diagnostics-cable-scan-my-tesla-pro-original

Model 3 Highland (efter 10/2023) Cable PRO:
https://sensotech.it/products/model-3-highland-after-10-2023-diagnostics-cable-scan-my-tesla-pro-original

Model S/X Plaid 2021+ Cable PRO:
https://sensotech.it/products/model-s-x-plaid-2021-diagnostics-cable-scan-my-tesla-pro-original

Model S/X (05/2013->09/2015) 12-pin Cable PRO:
https://sensotech.it/products/model-s-x-before-09-2015-diagnostics-cable-scan-my-tesla-pro-original

Model Y (09/2020->02/2025) 26 Pin Cable PRO:
https://sensotech.it/products/model-y-09-2020-02-2025-26-pin-diagnostics-cable-scan-my-tesla-pro-original

Model Y Juniper (02/2025->) Cable PRO:
https://sensotech.it/products/model-y-juniper-02-2025-present-diagnostics-cable-scan-my-tesla-original

Universal All-In-One PRO (S/X pre-2021 + M3/Y pre-Highland):
https://sensotech.it/products/model-s-3-x-y-universal-all-in-one-diagnostics-cable-pro-scan-my-tesla-original

Model S/X (09/2015->09/2021) 20-pin Cable PRO:
https://sensotech.it/products/model-s-x-09-2015-09-2021-20-pin-obd-ii-scan-my-tesla-pro-original-diagnostics-cable

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# XBB Dongle + Tesla: Recipes, Dongles and Adapter Cables

Complete overview of all XBB recipes, and which dongle and adapter cable each Tesla model requires.

| Setup | Recipe | Recipe name (as shown to the customer) | XBB Dongle | Adapter cable (Sensotech) | Connection point | Battery | Adaptive high beam | Signals |
|---|---|---|---|---|---|---|---|---|
| **A** | #1164 | Tesla Model 3/Y (Gen.1/1st facelift)<br>Adaptive LED headlights (2017-2023) | Standard XBB<br>(blue packaging) | 26 Pin CAN Bus Cable<br>(M3/Y 01/2019->10/2023) | Center console<br>(from rear seat) | Lead-acid 12V | Yes<br>(FW 2025.2.8) | HIGHBEAM<br>HIGHBEAM_PWM |
| **A** | #1117 | Tesla Model 3/Y (Gen.1/1st FL/2nd FL (Highland)/Li-Ion (16V) LV battery)<br>Adaptive LED headlights (2021-Present) | Standard XBB<br>(blue packaging) | Pre-HL: 26 Pin Cable<br>Highland: Highland Cable PRO | Pre-HL: Center console<br>HL/Jun: A-pillar | Li-Ion 16V<br>BATTOFF 14.5V | Yes<br>(FW 2025.2.8) | HIGHBEAM<br>HIGHBEAM_PWM |
| **A** | #1301 | Tesla Model 3/Y (Gen.1/1st FL/2nd FL (Highland)/Li-Ion (14.4V) LV battery)<br>Adaptive LED headlights (2021-Present) | Standard XBB<br>(blue packaging) | Pre-HL: 26 Pin Cable<br>Highland: Highland Cable PRO | Pre-HL: Center console<br>HL/Jun: A-pillar | Li-Ion 14.4V<br>BATTOFF 13.7V | Yes<br>(FW 2025.2.8) | HIGHBEAM<br>HIGHBEAM_PWM |
| **A** | #1428 | Tesla Model Y (Juniper)<br>Adaptive LED headlights (2025-Present) | Standard XBB<br>(blue packaging) | Juniper Diagnostics Cable<br>(MY Juniper 02/2025->) | Behind passenger-side A-pillar (ONLY) | Li-Ion 14.4V<br>BATTOFF 13.7V | Yes<br>(not verified) | HIGHBEAM<br>HIGHBEAM_PWM |
| **B** | #864 | Tesla Model S/X (Gen.1 2nd facelift)<br>LED headlights (2021-present) | Standard XBB<br>(blue packaging) | S/X Plaid 2021+<br>Diagnostics Cable | Under center display<br>(remove charging pad) | - | No | Standard<br>high beam |
| **B** | #1121 | Tesla Model S/X (Gen.1/1st & 2nd FL/Li-Ion LV battery)<br>Adaptive LED headlights (2023-Present) | Standard XBB<br>(blue packaging) | S/X Plaid 2021+<br>Diagnostics Cable | Between center display and phone charger | Li-Ion 16V<br>BATTOFF 14.5V | Yes | HIGHBEAM<br>HIGHBEAM_PWM |
| **C** | #65 | Tesla Model S (Gen.1)<br>Bixenon headlights (2012-2016) | Tesla-specific XBB<br>(red packaging) | No cable required<br>(Tesla dongle directly in OBD2) | OBD2 under steering wheel | - | No | Standard<br>high beam |
| **C** | #64 | Tesla Model S (Gen.1 facelift)<br>LED headlights (2016-2021) | Tesla-specific XBB<br>(red packaging) | No cable required<br>(Tesla dongle directly in OBD2) | OBD2 under steering wheel | - | No | HIGHBEAM<br>HIGHBEAM_MANUAL |
| **C** | #257 | Tesla Model X (Gen.1 facelift)<br>LED headlights (2016-2021) | Tesla-specific XBB<br>(red packaging) | No cable required<br>(Tesla dongle directly in OBD2) | OBD2 under steering wheel | - | No | HIGHBEAM<br>HIGHBEAM_MANUAL |

■ Setup A = Model 3/Y, Standard XBB (blue) + cable via center console/A-pillar | ■ Setup B = Model S/X 2021+, Standard XBB (blue) + cable under center display | ■ Setup C = Older S/X, Tesla-specific XBB (red), OBD2 directly

PWM (all adaptive except #1164): Timer On: 4s, Timer Off: 250ms, Brightness Inc: 25, Dec: 100

### Order adapter cables (Sensotech / Scan My Tesla):

Model 3 (01/2019->10/2023) 26 Pin Cable PRO:
https://sensotech.it/products/model-3-01-2019-10-2023-26-pin-diagnostics-cable-scan-my-tesla-pro-original

Model 3 Highland (after 10/2023) Cable PRO:
https://sensotech.it/products/model-3-highland-after-10-2023-diagnostics-cable-scan-my-tesla-pro-original

Model S/X Plaid 2021+ Cable PRO:
https://sensotech.it/products/model-s-x-plaid-2021-diagnostics-cable-scan-my-tesla-pro-original

Model S/X (05/2013->09/2015) 12-pin Cable PRO:
https://sensotech.it/products/model-s-x-before-09-2015-diagnostics-cable-scan-my-tesla-pro-original

Model Y (09/2020->02/2025) 26 Pin Cable PRO:
https://sensotech.it/products/model-y-09-2020-02-2025-26-pin-diagnostics-cable-scan-my-tesla-pro-original

Model Y Juniper (02/2025->) Cable PRO:
https://sensotech.it/products/model-y-juniper-02-2025-present-diagnostics-cable-scan-my-tesla-original

Universal All-In-One PRO (S/X pre-2021 + M3/Y pre-Highland):
https://sensotech.it/products/model-s-3-x-y-universal-all-in-one-diagnostics-cable-pro-scan-my-tesla-original

Model S/X (09/2015->09/2021) 20-pin Cable PRO:
https://sensotech.it/products/model-s-x-09-2015-09-2021-20-pin-obd-ii-scan-my-tesla-pro-original-diagnostics-cable

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