

STARLINK GROUP 4-7 MISSION



MISSION OVERVIEW

SpaceX is targeting Thursday, February 3 for a Falcon 9 launch of 49 **Starlink** satellites to low Earth orbit from Launch Complex 39A (LC-39A) at Kennedy Space Center in Florida. The instantaneous launch window is at 1:13 p.m. EST (18:13 UTC), and a backup opportunity is available on Friday, February 4 at 12:51 p.m. EST (17:51 UTC). Falcon 9 will fly on a southern trajectory along Florida's eastern coast over the Atlantic Ocean and may be visible from the ground.

The booster supporting this mission previously launched Crew-1, Crew-2, SXM-8, CRS-23, and IXPE. Following stage separation, SpaceX will land Falcon 9's first stage on the A Shortfall of Gravitas droneship, which will be stationed in the Atlantic Ocean. One fairing half previously supported five Starlink missions, and the other half previously supported Transporter-1 and two Starlink missions.

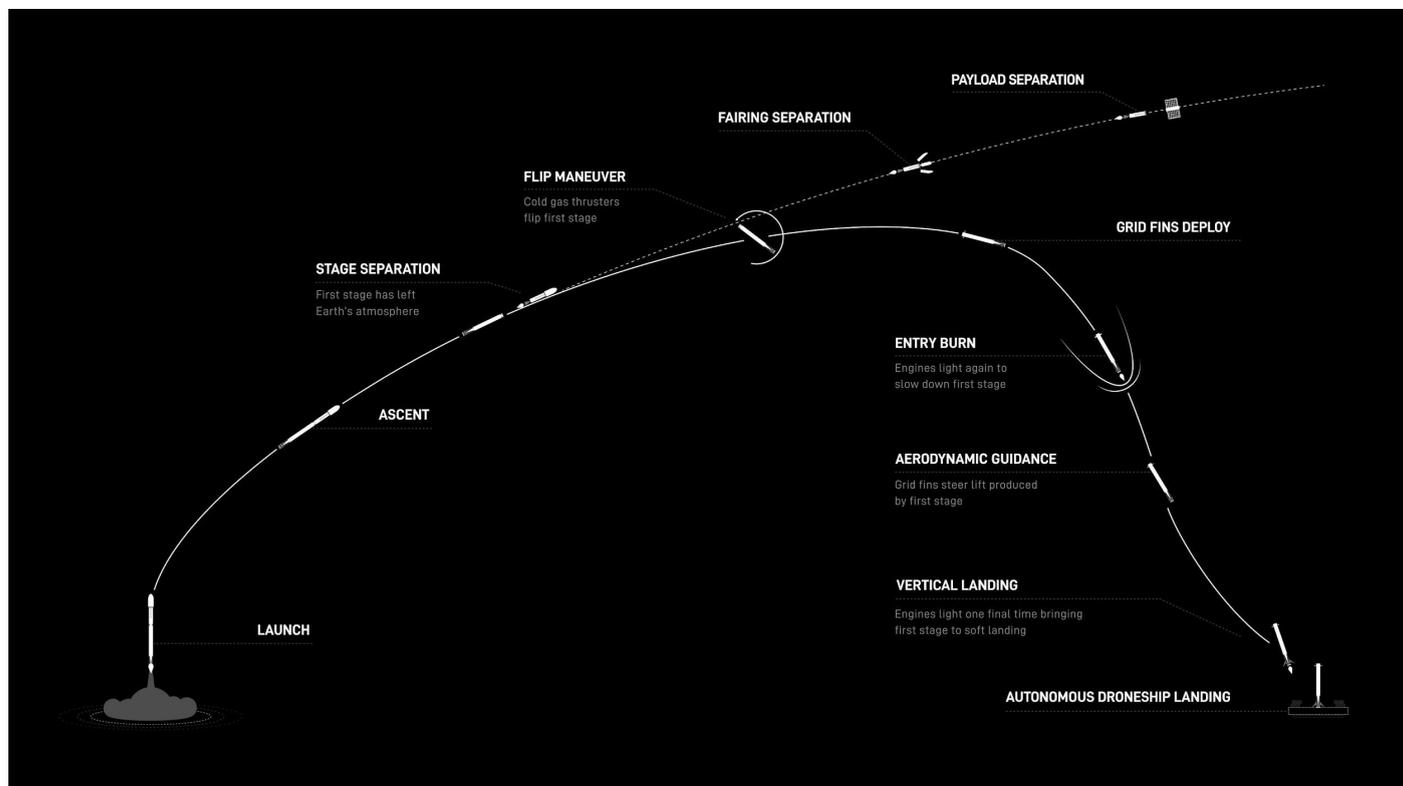
WEBCAST

[A live webcast of this mission](#) will begin about 15 minutes prior to liftoff.

PHOTOS

High-resolution photos will be posted at [flickr.com/spacex](https://www.flickr.com/photos/spacex/).

MISSION PROFILE



MISSION TIMELINE (ALL TIMES APPROXIMATE)

COUNTDOWN

| Hr/Min/Sec | Event |
|-------------------|--|
| - 00:38:00 | SpaceX Launch Director verifies go for propellant load |
| - 00:35:00 | RP-1 (rocket grade kerosene) loading underway |
| - 00:35:00 | 1st stage LOX (liquid oxygen) loading underway |
| - 00:16:00 | 2nd stage LOX loading underway |
| - 00:07:00 | Falcon 9 begins engine chill prior to launch |
| - 00:01:00 | Command flight computer to begin final prelaunch checks |
| - 00:01:00 | Propellant tank pressurization to flight pressure begins |
| - 00:00:45 | SpaceX Launch Director verifies go for launch |
| - 00:00:03 | Engine controller commands engine ignition sequence to start |
| - 00:00:00 | Falcon 9 liftoff |

LAUNCH, LANDING AND DEPLOYMENT

| Hr/Min/Sec | Event |
|-------------------|--|
| 00:01:12 | Max Q (moment of peak mechanical stress on the rocket) |
| 00:02:32 | 1st stage main engine cutoff (MECO) |
| 00:02:36 | 1st and 2nd stages separate |
| 00:02:44 | 2nd stage engine starts |
| 00:02:49 | Fairing deployment |
| 00:06:48 | 1st stage entry burn start |
| 00:07:08 | 1st stage entry burn complete |
| 00:08:26 | 1st stage landing burn start |
| 00:08:49 | 1st stage landing burn complete |
| 00:08:50 | 2nd stage engine cutoff (SECO-1) |
| 00:15:31 | Starlink satellites deploy |