

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.

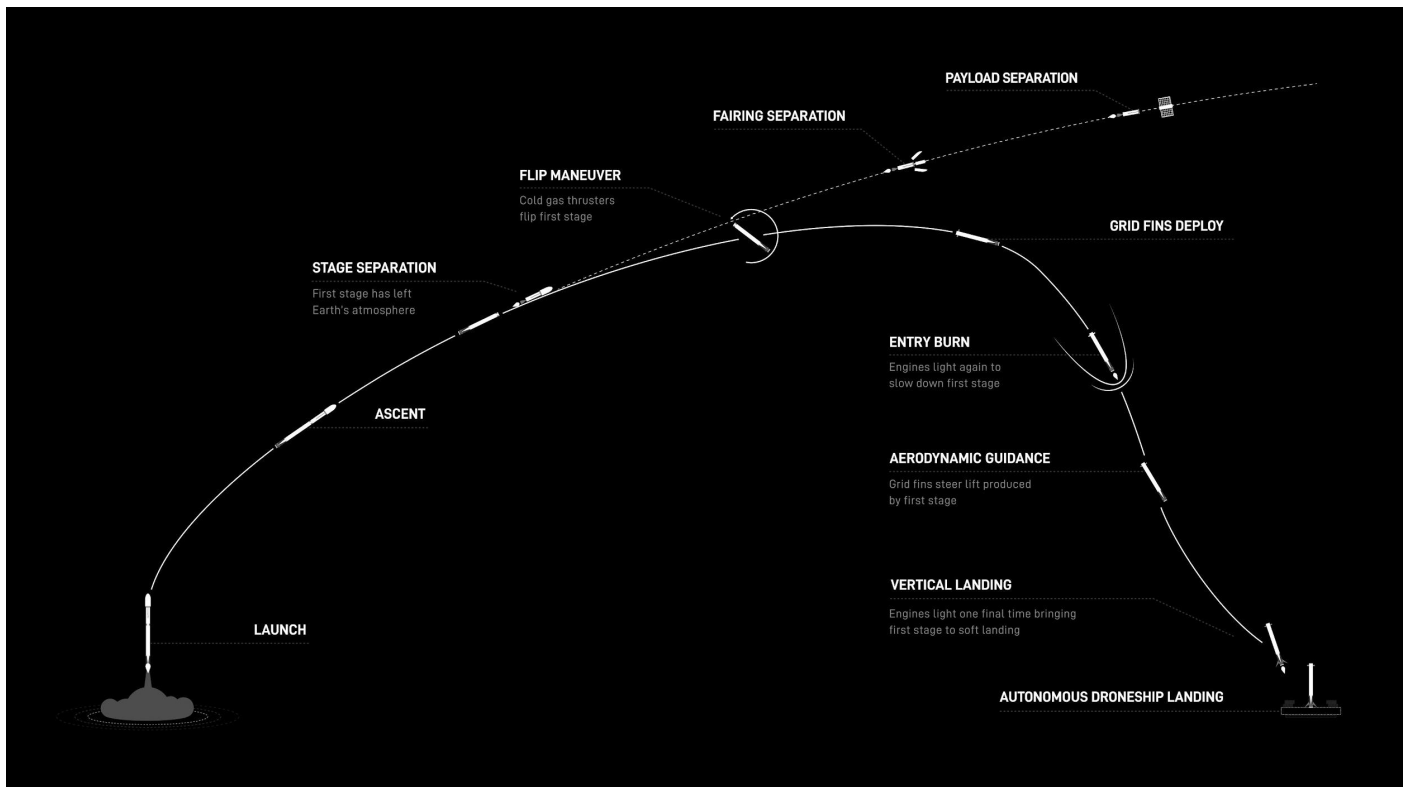
WEBCAST

[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