

STARLINK-12 MISSION

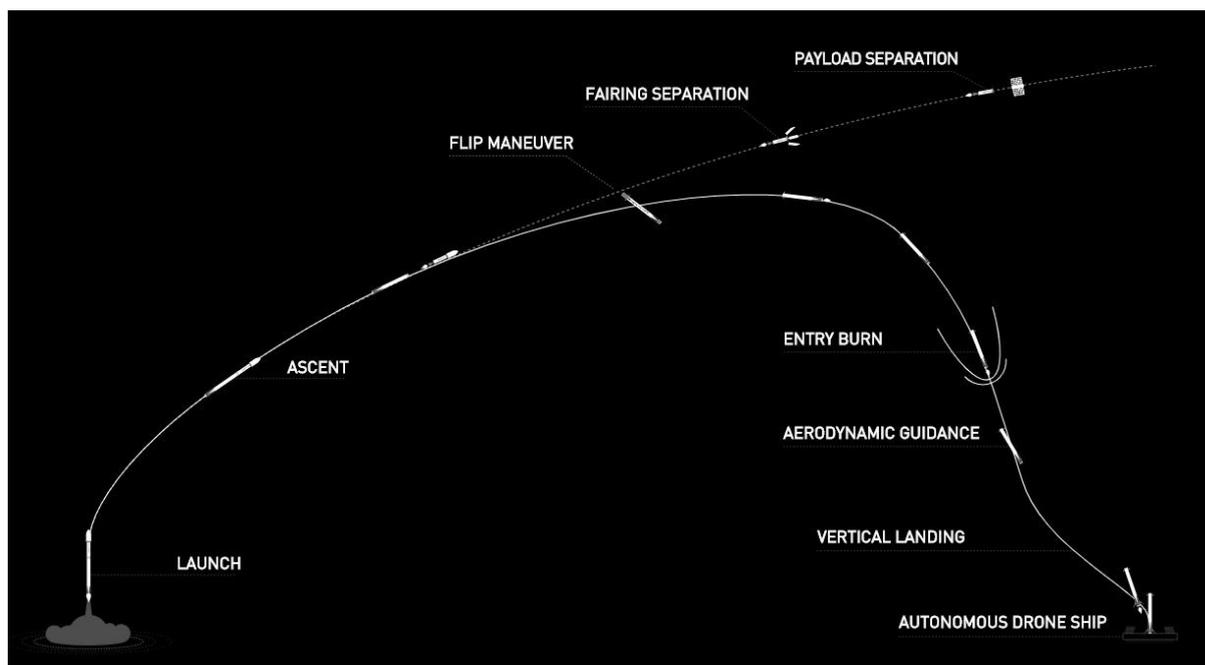
MISSION OVERVIEW

SpaceX is targeting Thursday, September 3 at 8:46 a.m. EDT, 12:46 UTC, for launch of its twelfth [Starlink mission](#), which will launch 60 Starlink satellites to orbit. Falcon 9 will lift off from Launch Complex 39A (LC-39A) at Kennedy Space Center in Florida. A backup opportunity is available on Friday, September 4 at 8:24 a.m. EDT, 12:24 UTC.

Falcon 9's first stage previously supported launch of the GPS III Space Vehicle 03 mission in June 2020. Following stage separation, SpaceX will land Falcon 9's first stage on the "Of Course I Still Love You" dronship, which will be stationed in the Atlantic Ocean.

The Starlink satellites will deploy approximately 14 minutes after liftoff.

You can watch the launch webcast [here](#), starting about 15 minutes before liftoff. If you would like to receive updates on Starlink news and service availability in your area, please visit [starlink.com](#).



MISSION TIMELINE

COUNTDOWN

All Times Are Approximate

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

All Times Are Approximate

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
00:02:43	2nd stage engine starts
00:03:12	Fairing deployment
00:07:04	1st stage entry burn complete
00:08:19	1st stage landing
00:08:51	2nd stage engine cutoff (SECO-1)
00:14:47	Starlink satellites deploy