

# STARLINK-13 MISSION

## MISSION OVERVIEW

SpaceX is targeting Tuesday, October 6 at 7:29 a.m. EDT, 11:29 UTC, for its thirteenth [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.

Falcon 9's first stage previously supported launch of Crew Dragon's first flight to the International Space Station with NASA astronauts onboard and the ANASIS-II mission. Following stage separation, SpaceX will land Falcon 9's first stage on the "Of Course I Still Love You" droneship, which will be stationed in the Atlantic Ocean. One of Falcon 9's fairing halves supported two previous Starlink launches.

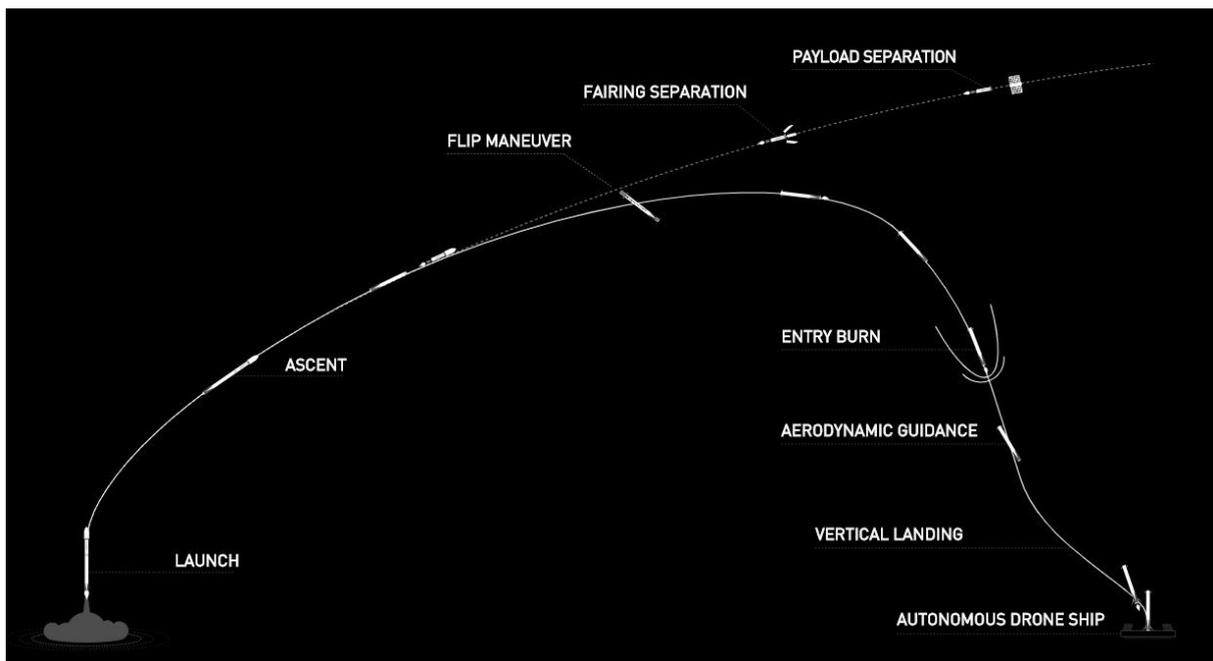
The Starlink satellites will deploy approximately 1 hour and 1 minute after liftoff.

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](#).



Official SpaceX Starlink-13 Mission Patch

## MISSION PROFILE



## MISSION TIMELINE (ALL TIMES APPROXIMATE)

### COUNTDOWN

<b>Hr/Min/Sec</b>	<b>Event</b>
- 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

<b>Hr/Min/Sec</b>	<b>Event</b>
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 (SES-1)
00:03:22	Fairing deployment
00:06:40	1st stage entry burn complete
00:08:24	1st stage landing
00:08:48	2nd stage engine cutoff (SECO-1)
00:42:26	2nd stage engine restarts (SES-2)
00:42:28	2nd stage engine cutoff (SECO-2)
01:01:24	Starlink satellites deploy