

STARLINK-10 MISSION

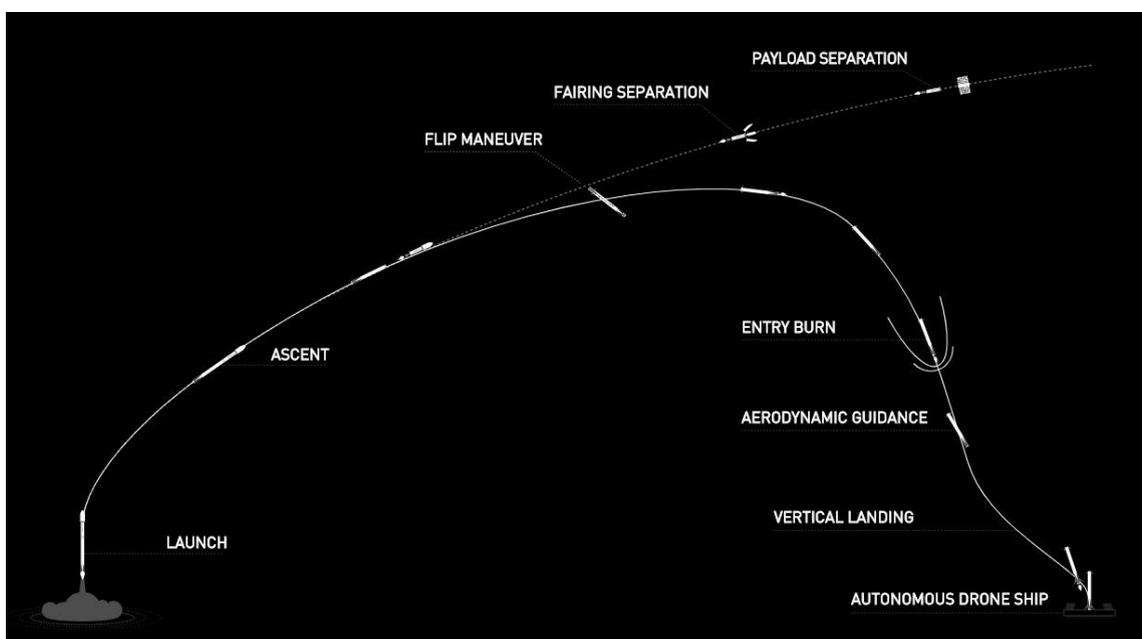
MISSION OVERVIEW

SpaceX is targeting Friday, August 7 at 1:12 a.m. EDT, 5:12 UTC, for launch of its tenth Starlink mission, which will include 57 Starlink satellites and 2 satellites from BlackSky, a Spaceflight customer. Falcon 9 will lift off from Launch Complex 39A (LC-39A) at Kennedy Space Center in Florida. A backup opportunity is available on Saturday, August 8 at 12:50 a.m. EDT, 4:50 UTC.

Falcon 9's first stage previously supported Crew Dragon's first demonstration mission to the International Space Station, launch of the RADARSAT Constellation Mission, and the fourth and seventh Starlink missions. 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.

The BlackSky Global spacecraft will deploy sequentially beginning 1 hour and 1 minute after liftoff, and the Starlink satellites will deploy approximately 1 hour and 33 minutes after liftoff. Starlink satellites will be deployed in a circular orbit, as was done on the first through fourth Starlink missions. Additionally, all Starlink satellites on this flight are equipped with a deployable visor to block sunlight from hitting the brightest spots of the spacecraft – a measure SpaceX has taken as part of our work with leading astronomical groups to [mitigate satellite reflectivity](#).

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
00:02:44	2nd stage engine starts
00:03:23	Fairing deployment
00:06:39	1st stage entry burn complete
00:08:24	1st stage landing
00:08:51	2nd stage engine cutoff (SECO-1)
00:47:18	2nd stage engine starts (SES-2)
00:47:22	2nd stage engine cutoff (SECO-2)
01:01:33	Global 7 deployment
01:06:48	Global 8 deployment
01:33:00	Starlink satellites deploy