

# STARLINK-17 MISSION



## MISSION OVERVIEW

SpaceX is targeting Wednesday, January 20 for its seventeenth [Starlink mission](#), which will launch 60 Starlink satellites from Launch Complex 39A (LC-39A) at Kennedy Space Center. The instantaneous window is at 8:02 a.m. EST, or 13:02 UTC.

The Falcon 9 first stage rocket booster supporting this mission previously flew on seven other missions: the SXM-7 mission in December 2020, launch of the RADARSAT Constellation Mission in June 2019, launch of Crew Dragon's first demonstration mission in March 2019, and four Starlink missions. Following stage separation, SpaceX will land Falcon 9's first stage on the "Just Read the Instructions" droneship, which will be located in the Atlantic Ocean. One half of Falcon 9's fairing previously supported a Starlink mission and the other previously supported two.

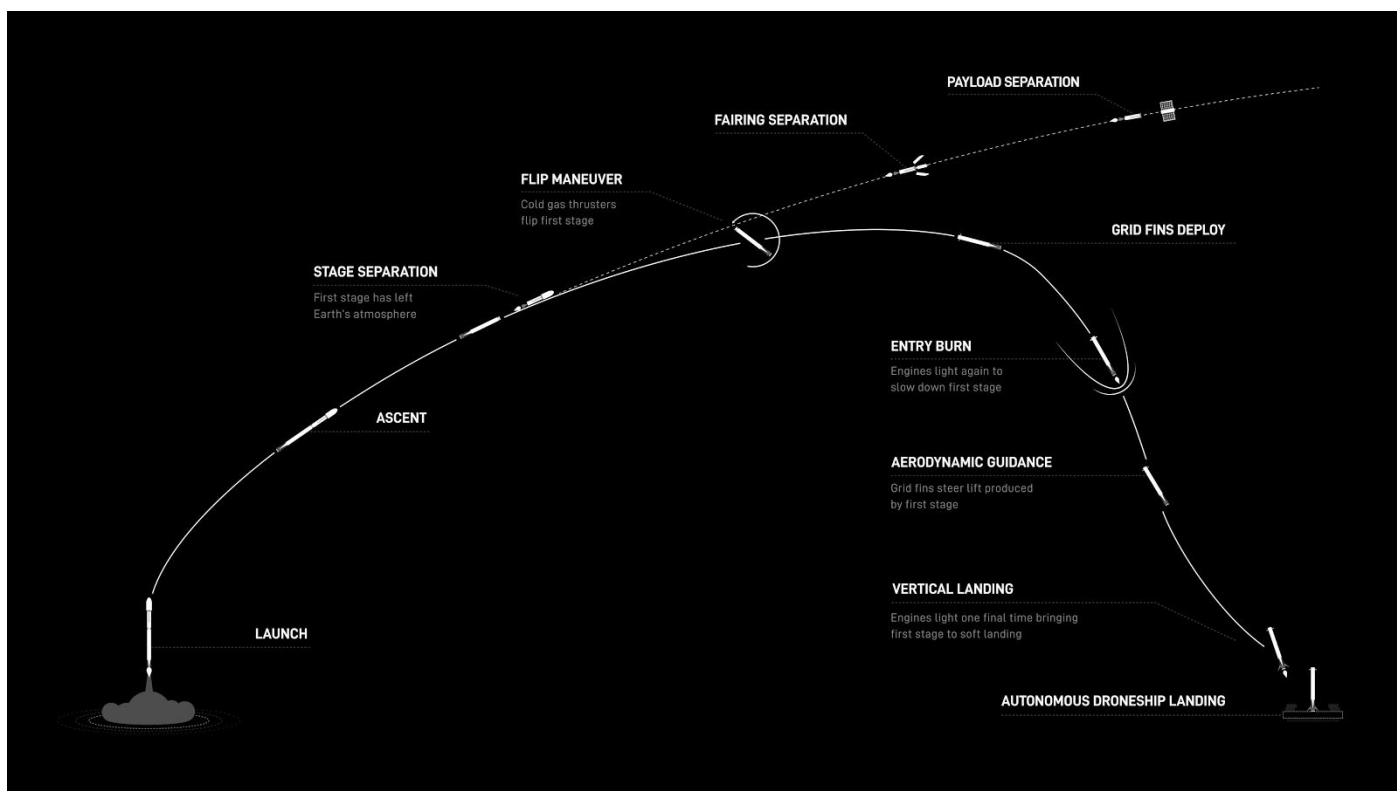
## WEBCAST

You can watch a live webcast of this mission, which will begin about 15 minutes prior to liftoff, [here](#).

## PHOTOS

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

## 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
00:02:44	2nd stage engine starts
00:03:10	Fairing deployment
00:06:40	1st stage entry burn complete
00:08:26	1st stage landing
00:08:46	2nd stage engine cutoff (SECO-1)
00:45:35	2nd stage engine restarts
00:45:36	2nd stage engine cutoff (SECO-2)
01:04:32	Starlink satellites deploy