

# STARLINK GROUP 6-2 MISSION



## MISSION OVERVIEW

SpaceX is targeting Wednesday, April 19 at 8:50 a.m. ET (12:50 UTC) for a Falcon 9 launch of 21 second-generation **Starlink** satellites to low-Earth orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. If needed, there are additional launch opportunities the same day at 9:47 a.m. ET (13:47 UTC), 10:31 a.m. ET (14:31 UTC), and 11:28 a.m. ET (15:28 UTC). Backup opportunities are also available Thursday, April 20 at 8:23 a.m. ET (12:23 UTC), 9:14 a.m. ET (13:14 UTC), 10:04 a.m. ET (14:04 UTC), and 10:55 a.m. ET (14:55 UTC).

## WEBCAST

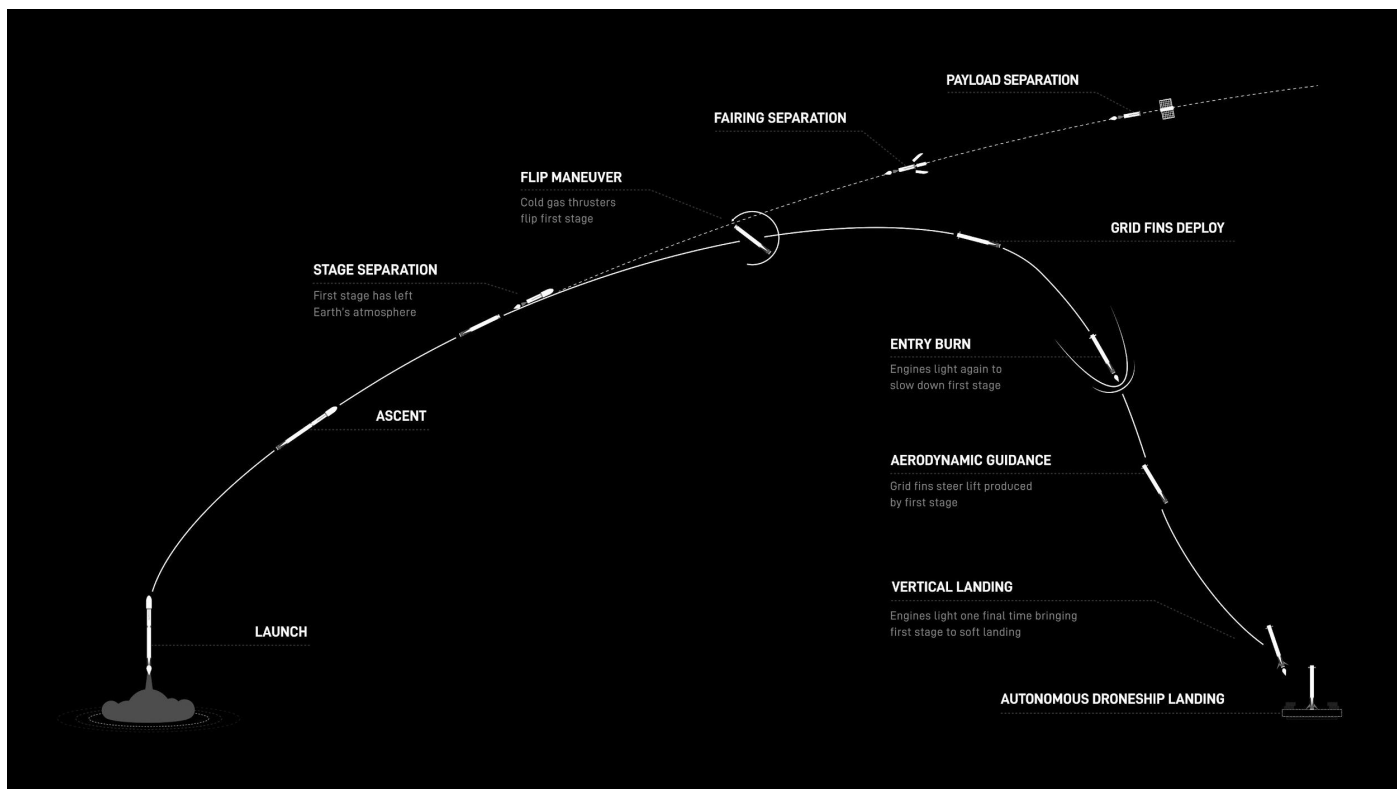
A live webcast of this mission will begin about five minutes prior to liftoff.

## PHOTOS

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

The first stage booster supporting this mission previously launched SES-22, ispace's HAKUTO-R Mission 1, Hispasat Amazonas Nexus, CRS-27, and three Starlink missions. Following stage separation, the first stage will land on the A Shortfall of Gravitas droneship, which will be stationed in the Atlantic Ocean.

## 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 begins
- 00:35:00	1st stage LOX (liquid oxygen) loading begins
- 00:16:00	2nd stage LOX loading begins
- 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)
00:02:25	1st stage main engine cutoff (MECO)
00:02:28	1st and 2nd stages separate
00:02:34	2nd stage engine starts (SES-1)
00:03:06	Fairing deployment
00:06:08	1st stage entry burn begins
00:06:31	1st stage entry burn ends
00:08:03	1st stage landing burn begins
00:08:26	1st stage landing
00:08:36	2nd stage engine cutoff (SECO-1)
00:54:23	2nd stage engine starts (SES-2)
00:54:26	2nd stage engine cutoff (SECO-2)
01:05:13	Starlink satellites deploy