

UPCOMING LAUNCH

# STARLINK MISSION

WATCH

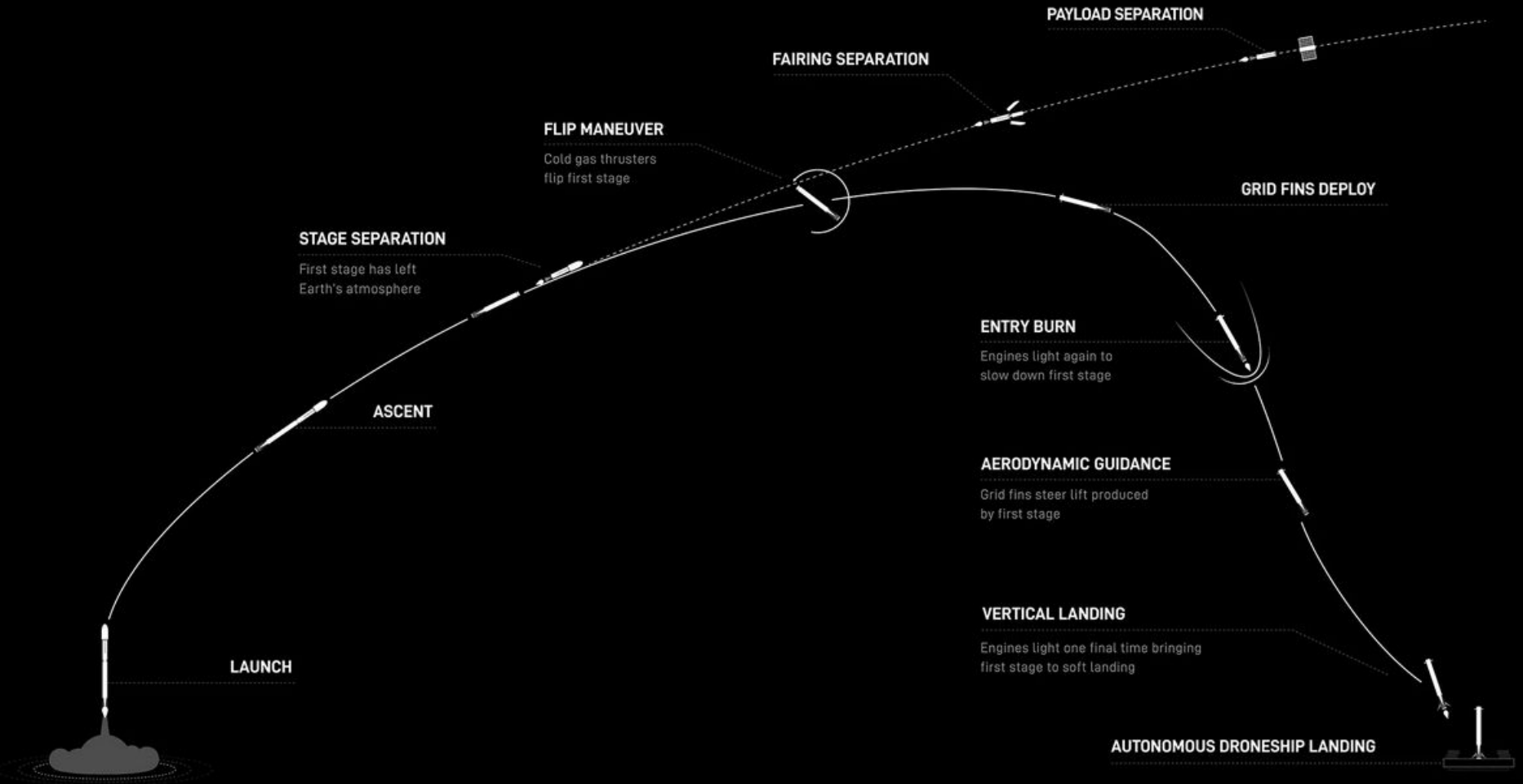
SpaceX is targeting Monday, May 12 for a Falcon 9 launch of 28 **Starlink** satellites to low-Earth orbit from Launch Complex 39A (LC-39A) at NASA's Kennedy Space Center in Florida. Liftoff is targeted for 12:06 a.m. ET, with backup opportunities available until 3:57 a.m. ET. If needed, additional opportunities are also available on Monday, May 12 starting at 11:32 p.m. ET.

A live webcast of this mission will begin about five minutes prior to liftoff, which you can watch here and on **X @SpaceX**. You can also watch the webcast on the new X TV app.

This is the 28th flight for the first stage booster supporting this mission, which previously launched CRS-22, Crew-3, Turksat 5B, Crew-4, CRS-25, Eutelsat HOTBIRD 13G, O3B mPOWER-A, PSN SATRIA, Telkomsat Merah Putih 2, Galileo L13, Koreasat-6A, and 16 Starlink missions. Following stage separation, the first stage will land on the Just Read the Instructions dronship, which will be stationed in the Atlantic Ocean.

## COUNTDOWN

HR/MIN/SEC	EVENT
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

All Times Approximate

HR/MIN/SEC	EVENT
00:01:10	Max Q (Moment of peak mechanical stress on the rocket)
00:02:24	1st stage main engine cutoff (MECO)
00:02:28	1st and 2nd stages separate
00:02:36	2nd stage engine starts (SES-1)
00:02:56	Fairing separation
00:06:01	1st stage entry burn begins
00:06:27	1st stage entry burn ends
00:07:49	1st stage landing burn begins
00:08:13	1st stage landing
00:08:39	2nd stage engine cutoff (SECO-1)
00:53:56	2nd stage engine starts (SES-2)
00:53:57	2nd stage engine cutoff (SECO-2)
01:05:04	Starlink satellites deploy