# Santana 20 – Racing Control Lines & 3-Person Crew Breakdown

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## Primary Controls (Used Constantly)

- **Mainsheet**
  Controls mainsail power, leech tension, and boom angle. Primary depowering tool in puffs.
- **Jib Sheets (Port & Starboard)**
  Control headsail angle and slot. Small adjustments have a large effect on speed.
- **Traveler**
  Primary upwind power control. Adjusts boom position without changing sail shape.

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## Sail Shape Controls

- **Boom Vang**
  Controls leech tension and twist, especially important downwind and in breeze.
- **Cunningham**
  Controls draft position in the mainsail. Tight in heavy air, loose in light air.
- **Outhaul**
  Controls depth of the lower mainsail. Eased for power, tight for depowering.

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## Rig & Luff Controls

- **Main Halyard**
  Controls mainsail luff tension and draft height.
- **Jib Halyard**
  Controls jib entry and draft position. Critical for upwind speed.

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# Santana 20 – 3-Person Racing Crew Breakdown

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## Helm (Skipper)

- Steers for speed and keeps the boat at optimal angle
- Primary control of the **traveler**
- Makes tactical decisions (starts, lanes, shifts)
- Calls maneuvers and pressure changes

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## Pit Trimmer (Middle Crew)

- Controls the **mainsheet**
- Adjusts **vang, cunningham, and outhaul**
- Primary **spinnaker trimmer** downwind
- Plays the main aggressively in puffs and lulls upwind

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## Bow / Jib Trimmer (Forward Crew)

- Controls **jib sheets** and jib shape
- Handles **all spinnaker hoists and douses**
- Manages **spinnaker pole, topping lift, and foreguy**

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## Maneuver Responsibilities

- **Upwind Tack**
  Helm steers → Pit eases then trims → Bow releases and trims jib
- **Weather Mark (Spinnaker Set)**
  Helm bears off → Pit hoists trims chute → Bow sets pole and guy
- **Leeward Mark (Douse)**
  Helm holds course → Pit eases spinnaker → Bow drops halyard and gathers