

# VoiceATC Simulator — Handsheet

**Legend:** **[brackets]** — information you provide    **(parentheses)** — optional words    *“italics”* — example phraseology. Commands may be concatenated.

## LATERAL NAVIGATION

**[Callsign], (turn) left/right heading [heading]** — *“Iberia one two three four, turn right heading one three zero”*

**[Callsign], continue present/current heading** — *“Iberia one two three four, continue present heading”*

**[Callsign], (fly) direct [waypoint]** — *“Iberia one two three four, fly direct RULOS”*

**[Callsign], after [waypoint], (fly/turn) heading [heading]** — *“Iberia one two three four, after RULOS, fly heading one three zero”*

**[Callsign], after [waypoint], (fly) direct [waypoint]** — *“Iberia one two three four, after CASPE, fly direct LOBAR”*

**[Callsign], hold over [waypoint] (as published)** — *“Iberia one two three four, hold over NEPAL”*

## VERTICAL NAVIGATION & SPEED

**[Callsign], climb/descend (flight level/altitude) [value] (feet)** — *“Iberia one two three four, climb altitude five thousand feet”*

**[Callsign], speed [value] (knots) / speed mach decimal [value]** — *“Iberia one two three four, speed two two zero knots”*

**[Callsign], resume managed speed / speed at your discretion** — *“Iberia one two three four, resume managed speed”*

## APPROACH & ARRIVAL

**[Callsign], cleared [STAR] arrival** — *“Iberia one two three four, cleared ADUXO two delta arrival”*

**[Callsign], cleared [TRAN] transition** — *“Iberia one two three four, cleared RULOSO one whiskey transition”*

**[Callsign], cleared ILS approach runway [RWY]** — *“Iberia one two three four, cleared ILS approach runway two four left”*

*‘Arrival’ applies to STARs and ‘transition’ to approach feeders. Provide vectors and then clear for the approach, or clear an aircraft already established on a STAR for the complete procedure. ‘Vectors for the ILS’ is set-up only; an explicit ‘cleared ILS approach ...’ is still required.*

## ALTIMETER

**[Callsign], QNH [value] (hectopascals) / altimeter [value]** — *“Iberia one two three four, QNH one zero one six”*

## COMMUNICATIONS

**[Callsign], contact tower / center / radar** — *“Iberia one two three four, contact tower”*

*Tower and center (or radar) are the only facilities you can hand aircraft off to.*

## CORRECTIONS

**[Callsign], disregard / cancel / negative** — *“Iberia one two three four, disregard”*

*Cancels and undoes the last instruction within about ten seconds. ‘Negative’ or ‘correction’ followed by a new clearance applies that clearance instead of cancelling.*

## COMBINING COMMANDS

**[Callsign], descend [value], (turn) heading [heading], speed [value]** — *“Iberia one two three four, descend flight level one zero zero, turn left heading two seven zero, speed two one zero”*

**[Callsign], (fly) direct [waypoint], cleared ILS approach runway [RWY]** — *“Iberia one two three four, fly direct LESBA, cleared ILS approach runway two four left”*

**[Callsign], after [waypoint], (fly) direct [waypoint], cleared ILS approach runway [RWY]** — *“Iberia one two three four, after CASPE, fly direct LOBAR, cleared ILS approach runway two four right”*

**[Callsign], (turn) heading [heading], cleared ILS approach runway [RWY]** — *“Iberia one two three four, turn left heading one eight zero, cleared ILS approach runway two four left”*

*Chain up to five instructions in one transmission, in the order to be flown. ‘After [fix]’ defers the next lateral instruction until the aircraft passes that fix — e.g. a heading (“...after RULOS, fly heading one three zero”) or a direct-to (“...after CASPE, fly direct LOBAR”); it can also prefix altitude in a chain. Heading, direct-to and hold are mutually exclusive for the lateral part of each call.*

## FOR BEST RECOGNITION

*Say the callsign first, then your instruction(s).*

*Spell an unfamiliar fix with the phonetic alphabet — “bravo lima four six one” for BL461, or “delta alpha quebec sierra echo” for DAQSE.*

*Keep each call to three instructions or fewer for the most reliable recognition.*

*Say “hold” explicitly to start a holding pattern.*

## CONTROLS

*Action · key or button — what it does.*

*Voice commands apply only to assumed aircraft. For clearly addressed unassumed traffic, COM shows “SYS: The aircraft is not assumed.” and does not execute the instruction.*

*Command panel: press ° / °, then type /spawn origin=LMD destination=LEBL flight\_fraction=0.9 or /delete callsign=IBE1234.*

*Keys: CONTROL talk; left-drag pan or move panels; right-drag move label; middle-click assume/release; mouse wheel zoom; ° / ° command panel.*