

AutoATC Phrasebook

This is a quick reference phrasebook for use with AutoATC, a combined AI/ATC plugin and radio communication training tool for X-Plane ([X-Plane.org file library page](https://www.x-plane.org/file-library)).

This phrasebook is a mere quick reference aid for pilots. Its content is subject to change as AutoATC is still under heavy development.

I. Placeholders

In the following chapters, “[]” represents a placeholder, which is to be replaced with the agency name or callsign or frequency, etc. used in the current session.

[agency]: The agency that is communicated with, e.g. "Heathrow Tower" or "Frankfurt Approach"

[altitude]: The cleared or current altitude, measured in feet e.g. "5000" or flight level e.g. "level 350"

[callsign]: Your callsign, e.g. "G-COOL" or "Condor EDC" or "Speedbird 74"
ATC may reply with a shortened callsign (see AutoATC ground school)

[clearance]: A procedural clearance to a destination when approaching/departing an airport

[fix]: Departure or arrival fix that is to be crossed before clearance for the next fix or flight phase. Can be a navigation aid or VFR reporting point

[heading]: A magnetic heading to fly while being vectored by ATC in IFR

[QNH]: QNH, as expressed in hectopascals, e.g. "1006". US and Canada uses inches mercury, e.g. "29.82"

[runway]: The runway designator, e.g. "28L", "05"

[squawk]: Transponder code, e.g. "2168"

[taxiways]: A list of taxiways, e.g. "Y R M FI"

[time]: Expresses minutes after the hour, or 4 digit 24 hour time UTC if more than 1 hour in the future

[weatherinfo]: *If the airport has ATIS*, this is the current weather information, e.g. "with november"

2. Communications

Communications are presented in this form:

Note: Further information about a request, such as required conditions are mentioned in a note below the respective heading.

Request:

| The request that invokes a reply by ATC. Variations of a request are indicated with an asterisk

Readback:

| If a request lists one or more readbacks, ATC replies will have to be read back. The correct readback depends on the content of the reply by ATC.

2.1 General

2.1.1 Radio check

Request:

| [Agency][callsign], request radio check

2.1.2 Registering a callsign

Request:

| [Agency][callsign], good day

2.2 Start-up

2.2.1 Requesting start-up with pushback

Note: Requesting pushback from a gate can be done in one go with this request or separately (see below)

Request:

| [Agency], [callsign], request push and start [weatherinfo].

Readback:

- Push back and startup approved, altimeter [QNH], [callsign].
- Push back and startup approved, QNH [QNH], [callsign].
- Push back and startup approved, altimeter [QNH], [weatherinfo], [callsign].
- Push back and startup approved, QNH [QNH], [weatherinfo], [callsign].

2.2.2 Requesting start-up

Note: When requiring pushback, request it in a separate call or request startup using the call above

Request:

[Agency][callsign], request start up [weatherinfo].

Readback:

- Startup approved, altimeter [QNH], [callsign].
- Startup approved, QNH [QNH], [callsign].
- Startup approved, altimeter [QNH], [weatherinfo], [callsign].
- Startup approved, QNH [QNH], [weatherinfo], [callsign].
- Startup approved, altimeter [QNH], [weatherinfo], squawk [squawk], [callsign].
- Startup approved, QNH [QNH], [weatherinfo], squawk [squawk], [callsign].
- Startup approved, altimeter [QNH], squawk [squawk], [callsign].
- Startup approved, QNH [QNH], squawk [squawk], [callsign].
- Startup approved, altimeter [QNH], squawk [squawk], [callsign].
- Startup approved, QNH [QNH], squawk [squawk], [callsign].

2.2.3 Requesting pushback

Note: Startup should be requested before (see above)

Request:

[Agency][callsign], request push back.

Readback:

Push back approved, [callsign].

2.3 Taxi

2.3.1 Requesting taxi clearance

Note: Applies to taxiing from parking/gate to the runway or from the runway to the gate/parking

Request:

- [Agency][callsign], requesting taxi.
- [Agency][callsign], request taxi.
- [Agency][callsign], ready to taxi.

Readback:

- Holding position, [callsign].
- Taxi approved, via [taxiways], [callsign].
- Taxi approved, via [taxiways], runway [runway], [callsign].

2.4 *Departure/Line-Up*

2.4.1 Requesting departure

Note: Subject to change; to be used to issue IFR (SID) clearance

Request:

- [Agency][callsign], request departure.
- [Agency][callsign], requesting departure.

Readback:

Cleared [clearance], line up runway [runway], [callsign].

2.4.2 Requesting runway lineup

Request:

[Agency][callsign], holding short of runway [runway].

Readback:

- Holding position, [callsign],
- Cleared [clearance], line up runway [runway], [callsign].

2.5 *Take-off*

2.5.1 Requesting takeoff

Note: Departure clearance does *not* mean take-off clearance, unless you're a KLM Boeing 747

Request:

[Agency], [callsign], ready for departure.

Readback:

- Holding position, [callsign].
- Cleared for takeoff, runway [runway], wilco [callsign].

2.6 Navigation

2.6.1 Reporting waypoint arrival time

Request:

[Agency], [callsign], estimate [fix] at [time].

Readback:

- Wilco, [callsign].
- Fly [heading], proceed direct to [fix] after [fix], [callsign].
- Altimeter [QNH], [callsign].
- Q N H [QNH], [callsign].

2.6.2 Reporting the current position

Request:

[Agency], [callsign], position [fix].

2.6.3 Reporting the next position

Note: This informs ATC of the next, precise location. When making an unplanned flight, this will invoke frequency changes to stay in contact once you go out of the agency's radio range.

Request:

- [Agency], [callsign], next [fix].
- [Agency], [callsign], next [fix], point at [time].
- [Agency], [callsign], next [fix] at [time].

Readback:

Wilco, [callsign].

2.6.4 Requesting vectors to a fix

Note: Useful when getting lost. ATC replies with distance and heading from your

current position to the desired fix.

Request:

| [Agency], [callsign], request vectors to [fix].

2.6.5 Requesting a direct-to

Note: Only when flying a filed IFR flight plan. Makes the requested fix the next destination and updates the flightplan automatically.

Request:

| [Agency], [callsign], request direct to [fix].

2.7 Approach/Landing

2.7.1 Requesting approach and landing

Request:

| [Agency], [callsign], estimate [fix] at [time], request join, [weatherinfo].

Readback:

- Holding at [fix], [callsign].
- Altitude [altitude], hold at [fix], expecting runway [runway], [callsign].
- Cleared for approach, runway [runway], fly [heading], [callsign].
- Cleared for approach, runway [runway], wilco [callsign].

2.7.2 Reporting established (approach/pattern)

Request:

- [Agency], [callsign], established, runway in sight.
- [Agency], [callsign], downwind.
- [Agency], [callsign], aerodrome in sight.

Readback:

- Cleared to approach, runway [runway], report final, [callsign].
- Fly heading [heading], wilco, [callsign].
- Wilco, [callsign].

2.7.3 Reporting final

Request:

- [Agency], [callsign], outer marker.
- [Agency], [callsign], final.

Readback:

- Go around, [callsign].
- Cleared to land, runway [runway], [callsign].