

# ATR72-500

## Microsoft Flight Simulator 2004

Aircraft and Panel : by Francisco Sánchez-Castañer



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Other simulator checklists and other sim/real aviation items available for download at <http://www.faatest.com> and <http://www.faatest.com/downloads/simchecklists/simchecklists.html>



## Pre-Start Checklist

Parking Brakes	SET
Battery Switch	OFF
Generator Switches	OFF
Power Management Switch	CHECK SET TO (take off)
Automatic Torque Switches	CHECK OFF !!!
Throttle	IDLE
Landing Gear Lever	CHECK DOWN
Propeller	HIGH RPM
Fuel Cond. Lever	FUEL CUTOFF
Idle Gate Lever	GROUND IDLE
Flaps	UP
Battery Switch	ON
Panel Lights	ON if required
Fuel Quantity	CHECK
Flight controls	CHECK
Avionics Master Switch	ON
Check Weather	(ATIS, Flight Services)
Anti-ice	TEST/CHECK
<b><i>Request Clearance</i></b>	
Transponder	STANDBY
Beacon	ON

## Startup Checklist

Engine and Propeller Area	CLEAR
Throttle	IDLE
Fuel Valves	OPEN
Fuel Cond. Lever	AUTO
Idle Gate Lever	FLIGHT IDLE
Prop Brake	OFF
Engine Start Selection Switch	CRANK few seconds
Engine Start Selection Switch	START A+B
Start Button Engine 2	START (hold until engine starts)
Generator 2	ON
Start Button Engine 1	START (hold until engine starts)
Generator 1	ON
Loadmeter+Voltmeter	CHECK for CHARGE
Engine Start Selection Switch	OFF





## Taxi To Ramp

Strobe Light	OFF
Taxi Lights	ON
Landing Lights	OFF
Flaps	RETRACT
Anti-Ice	OFF
Transponder	1200
Speed	Max. 20 knots
Elevator Trim	TAKEOFF SETTING
Avionics/Radios	AS REQUIRED

## Shutdown Checklist

Parking Brake	SET
Throttle	IDLE
Pitot Heat	OFF
F/D	OFF
Avionics	OFF
Taxi Lights	OFF
Logo Lights/Wing Lights	OFF
Nav Lights	OFF
Fuel Cond. Lever	FUEL CUTOFF
Idle Gate Lever	GROUND IDLE
Fuel Valves	CLOSE
Power Management Switch	SET TO (take off)
Beacon	OFF
Generators	OFF
Prop Brake	ON
Panel Light	OFF
Battery Switch	OFF

## Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF

## Before Taxi Checklist

Nav Lights	ON
Taxi Lights / Logo Lights / Wing Lights	ON
Heading Indicator/Altimeter	SET
Instruments	NORMAL OPERATION
Radios and Avionics	ON, CHECKED and SET
Autopilot	SET and OFF
F/D	ON

*Request Taxi Clearance*

## Taxi Checklist

Parking Brake	RELEASE
Brakes	CHECK during taxi
Directional Gyro	PROPER IND. during turns
Turn Coordinator	PROPER IND. during turns
Artificial Horizon	ERECT during turns
Taxi to assigned runway	SPEED Max. 20 knots

## Before Take-off Checklist

Parking Brake	SET
Fuel Quantity	CHECK
Throttle	IDLE
Elevator Trim	SET for takeoff
Flaps	15 deg
Flight Controls	FREE AND CORRECT
Engine/Flight Instruments	CHECK
Radios and Avionics	SET
Landing Lights	ON
Taxi Lights	OFF
Strobe Light	ON
Pitot Heat	ON
Anti-Ice	AS REQUIRED
Power Management Switch	SET TO (take off)
Annunciator Lights	CHECK
Transponder	ON

*Request Takeoff Clearance*

## Take-off Checklist

Automatic Torque Switches	BOTH ON
Brakes	RELEASE
V1 = Vr =	110 KIAS
Pitch	10 degrees
V2 =	115 KIAS
At Positive Climb Rate	Touch Brakes
Landing Gear	RETRACT
Power Management Switch	SET CLB (climb)
At 130 KIAS	RETRACT FLAPS
Annunciator Lights/Eng. Instruments	CHECK

## Climb-out Checklist

Power Management Switch	CHECK CLB
Autopilot	CHECK and SET
Yaw Damper	ON
Landing Lights	OFF
Airspeed	190 KIAS / 1800 fpm 89%
above 12'000 ft	180 KIAS / 1500 fpm 77%
Engine Instruments	MONITOR
<b>ATC</b>	<b>AS REQUIRED</b>
At Transition Altitude (FL180) set Altimeter to 29,92" (1013mb)	

## Cruise Checklist

Accelerate to cruise speed	
Power Management Switch	SET CRZ (cruise)
at 6'000 ft	245 KIAS 78%
at 9'000 ft	240 KIAS 76%
at 12'000 ft	235 KIAS 73%
at 18'000 ft	220 KIAS 68%
at 24'000 ft	205 KIAS 63%
Service Ceiling	25'000 ft
Engine+Instruments	CHECK
Fuel Quantity	CHECK
Radios	TUNED and SET
Autopilot	CHECK and SET

## Descent Checklist

Atis/Airport Information	CHECK
Altimeter	CHECK
Radios	SET
Automatic Torque Switches	OFF !!!
Descent Speed	200 - 240 KIAS ~15%
Descent Rate	-1500 fpm
Flaps / Landing Gear	CHECK UP
At Transition Altitude (FL180) reset Altimeter to local	
Check Weather	(ATIS, Flight Services)

## Approach Checklist

### Localizer Level Flight :

Speed: Establish	160 KIAS	28%
Landing Lights	ON	
Flaps	15 deg	
Speed: Establish	145 KIAS	41%
Turning towards runway set flaps	30 deg	
Speed: Establish	130 KIAS	44%
Landing Gear	DOWN	

### Final Glideslope Descent :

Speed: Establish	120 KIAS	28%
Descent Rate	-600 fpm	
Elevator Trim	AS DESIRED	
Parking Brake	VERIFY OFF	
Anti-Ice	AS REQUIRED	
Yaw Damper	OFF	

## Landing Checklist

Landing Gear	CHECK DOWN, 3 GREEN
Autopilot	OFF
Landing Speed	115 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER NOSE WHEEL
After touchdown	Apply Reverse Thrust, at 60 kts: Cancel Reverse Thrust