



# ATR42-500

## Microsoft Flightsimulator 2002

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## 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>Request Clearance</b>	
Transponder	STANDBY
Beacon	ON

## Startup Checklist

Engine and Propeller Area	CLEAR
Throttle	IDLE
Fuel Cond. Lever	AUTO
Idle Gate Lever	FLIGHT IDLE
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
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
Power Management Switch	SET TO (take off)
Beacon	OFF
Generators	OFF
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	ON
Logo Lights/Wing Lights	ON
Heading Indicator/Altimeter	SET
Instruments	NORMAL OPERATION
Radios and Avionics	CHECKED and SET
Autopilot	SET and OFF
F/D	ON
Yaw Damper	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
Strobe Light	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 =	100 KIAS
Pitch	10-15 degrees
V2 =	105 KIAS
At Positive Climb Rate	Touch Brakes
Landing Gear	RETRACT
Power Management Switch	SET MCT (max. climb torque)
Flaps	RETRACT
Annunciator Lights/Eng. Instruments	CHECK

## Climb-out Checklist

Power Management Switch	SET CLB (climb)
Autopilot	CHECK and SET
Taxi Lights/Landing Lights	OFF
Airspeed	180 KIAS / 1800 fpm 85%
above 12'000 ft	170 KIAS / 1500 fpm 75%
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	260 KIAS 84%
at 9'000 ft	250 KIAS 80%
at 12'000 ft	240 KIAS 78%
at 18'000 ft	225 KIAS 72%
at 24'000 ft	210 KIAS 66%
Service Ceiling	25'000 ft
Engine+Instruments	CHECK
Fuel Quantity	CHECK
Radios	TUNED and SET
Autopilot	CHECK and SET
Lights	as required

## Descent Checklist

Atis/Airport Information	CHECK
Altimeter	CHECK
Radios	SET
Automatic Torque Switches	OFF !!!
Descent Speed	200 KIAS 12%
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 30%
Landing Lights	ON
Flaps	15 deg
Speed: Establish	145 KIAS 35%
Flaps	30 deg
Speed: Establish	130 KIAS 30%
Landing Gear	DOWN
Turning toward runway: set flaps	45 deg or FULL DOWN

### Final Glideslope Descent :

Speed: Establish	120 KIAS 30%
Descent Rate	-800 fpm
Elevator Trim	AS DESIRED
Parking Brake	VERIFY OFF
De-Ice	AS REQUIRED

## Landing Checklist

Landing Gear	CHECK DOWN, 3 GREEN
Autopilot	OFF
Landing Speed	110 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER NOSE WHEEL
After touchdown	Apply Reverse Thrust, at 60 kts: Cancel Reverse Thrust