

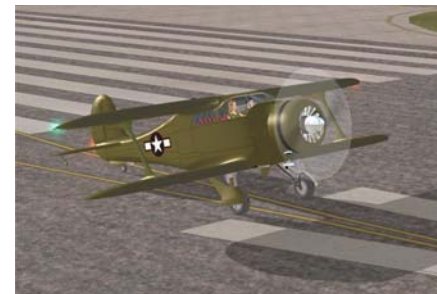


# Beech 17SW Staggerwing Microsoft Flight Simulator X

Aircraft and Panel by simTECH Flight Design Ltd.  
Textures and FSX updates by Mark Rooks of RSDG Aircraft



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## Pre-Start Checklist

Parking Brakes	SET
Throttle	IDLE
Landing Gear Lever	CHECK DOWN
Flaps	UP
Magneto Switches	OFF
Battery & Alternator Switch	OFF (Shift-M)
Propeller	HIGH RPM
Fuel Flow / Mixture	CUTOFF
Battery & Alternator Switch	ON (Shift-M)
Panel Light	ON if required
Fuel Selector	MAIN / FULLEST TANK
Fuel Quantity	CHECK
Flight controls	CHECK
Check Weather	(ATIS, Flight Services)

### *Request Clearance*

Transponder	STANDBY
Beacon	ON

## Startup Checklist

Engine and Propeller Area	CLEAR
Throttle	OPEN 1/4 INCH
Propeller	HIGH RPM
Fuel Flow / Mixture	FULL RICH
Magneto Switches	ON
Ignition Button	PRESS until engine starts
Throttle	IDLE
Oil Pressure	CHECK
Ammeter+Voltmeter	CHECK for CHARGE
Engine Instruments	CHECK

## Before Taxi Checklist

Nav Lights	ON
Heading Indicator / Altimeter	SET
Instruments	NORMAL OPERATION
Radios and Avionics	CHECKED and SET

### *Request Taxi Clearance*





## Shutdown Checklist

Parking Brake	SET
Throttle	IDLE
Nav Lights	OFF
Magneto Switches	OFF
Fuel Flow	CUTOFF
Fuel Selector	OFF
Beacon	OFF
Panel Light	OFF
Battery & Alternator Switch	OFF

## Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF



## Taxi Checklist

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

## Before Take-off Checklist

Parking Brake	SET
Fuel Quantity	CHECK
Fuel Selector	MAIN / FULLEST TANK
Throttle	IDLE
Propeller	HIGH RPM
Mixture	FULL RICH
Elevator Trim	SET for takeoff
Flaps	CHECK UP
Flight Controls	FREE AND CORRECT
Radios and Avionics	SET
Landing Lights	ON
Engine Instruments	CHECK
Transponder	ON

## *Request Takeoff Clearance*

## Take-off Checklist

Smoothly increase thrust to	FULL
Brakes	RELEASE
At 35 KIAS	apply forward yoke until tail lifts to horizontal
V1 =	50 KIAS (descision)
Vr =	60 KIAS (rotate)
Pitch	10-15 degrees
At Positive Climb Rate	Touch Brakes
Landing gear	RETRACT
Trim for climb to maintain	100 KIAS
Engine Instruments	CHECK

## Climb-out Checklist

Throttle	FULL	
Airspeed	110 KIAS	28"
Climb Rate	1000 fpm	
Landing Lights	OFF	
Engine Instruments	MONITOR	
<i>ATC</i>	<i>AS REQUIRED</i>	

## Cruise Checklist

Accelerate to cruise speed	150-155 KIAS	30"
Cruising Altitude	5000 ft	
Service Ceiling	20'000 ft	
Engine+Instruments	CHECK	
Engine Temperatures	STABILIZE at cruise cond.	
Fuel Quantity	CHECK	
Fuel Selector	MAIN / FULLEST TANK	
Radios	TUNED and SET	
Lights	as required	
Engine Instruments	CHECK	

## Descent Checklist

Atis/Airport Information	CHECK	
Altimeter	CHECK	
Radios	SET	
Descent Speed	110 KIAS	13"
Descent Rate	-1000 fpm	
Flaps	CHECK UP	
Landing Gear	CHECK UP	
Fuel Balance	CHECK	
Check Weather	(ATIS, Flight Services)	

## Approach Checklist

### *Localizer Level Flight :*

Landing Lights	ON	
Propeller	HIGH RPM	
Mixture	FULL RICH	
Speed: Establish	100 KIAS	18"
Flaps	10 degrees	
Speed: Establish	80 KIAS	20"
Landing Gear	DOWN	
Turning toward runway: set flaps	FULL DOWN	

### *Final Glideslope Descent :*

Speed: Establish	70 KIAS	18"
Descent Rate	-300 fpm	
Parking Brake	VERIFY OFF	

## Landing Checklist

Landing Speed	60 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER TAIL WHEEL
Brakes	MINIMUM REQUIRED

## Taxi To Ramp

Flaps	RETRACT
Landing Lights	OFF
Speed	Max. 20 knots
Elevator Trim	TAKEOFF SETTING
Avionics/Radios	AS REQUIRED
Transponder	1200