

# GMMX - Marrakech - Marrakech Menara

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## Airport details

State	Marrakech Province
Country	Morocco
Region	GM
Elevation	1541ft (470m)
Timezone	GMT +0
Coordinates	31.60861, -8.04083
Type	land
ICAO code	GMMX
IATA code	RAK
FAA code	n/a

## Runway info

Runway 10 / 28	
length	3095m (10154ft)
bearing	95° / 275°
width	45m (148ft)
surface	asphalt
blast zone	60m (197ft) / 61m (200ft)

## Communication

Marrakech Menara MARRAKECH Information	121.950
Marrakech Menara MARRAKECH Information	121.950
Marrakech Menara MARRAKECH Information	121.950
Marrakech Menara MARRAKECH Information	121.950
Marrakech Menara MARRAKECH TWR	118.700
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Marrakech Menara MARRAKECH APP	119.700
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## Approach frequencies

ILS-cat-I	10	109.7	18.00mi
3° GS	10	109.7	18.00mi

## Nearby beacons

code	identifier	dist	bearing	frequency
MAK	MARRAKECH VOR/DME	3.1	273.8°	113.30
CNZ	MARRAKECH NDB	3.9	96°	267
BGR	BENGUERIR VOR/DME	33.9	16.2°	115.40

## Departure and arrival routes

Transition altitude 6000ft

SID end points	distance	outbound direction
RW10		
OBOG3D	17.9	45°
MOKI3D	27.2	122°
LISR3D	32.0	230°
MAGA3D	38.0	264°
MABA3D	31.9	343°
RW28		
OBOG4D	17.9	45°
MOKI4D	27.2	122°
LISR4D	32.0	230°
MAGA4D	38.0	264°
MABA4D	31.9	343°

STAR starting points	distance	inbound direction
RW10		
LISR1A, LISR3A	32.0	50°
GOSN1A, GOSN3A	32.4	61°
MAGA1A, MAGA3A	38.0	84°
BENO3A	35.9	140°
MABA3A, MABA1A	31.9	163°
OBOG7A, OBOG3A, OBOG1A	17.9	225°
KUDA3A	22.3	242°
MOKI3A, MOKI1A	27.2	302°
RW28		
LISR4A, LISR2A	32.0	50°
GOSN4A, GOSN2A	32.4	61°
MAGA4A, MAGA2A	38.0	84°
BENO4A	35.9	140°
MABA4A, MABA2A	31.9	163°
OBOG8A, OBOG4A, OBOG2A	17.9	225°
KUDA4A	22.3	242°
MOKI4A, MOKI2A	27.2	302°

## Holding patterns

STAR name	hold at	type	turn	heading*	altitude	leg	speed limit
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BENO3A	ODALO	VHF	right	279 (99)°	6000ft - 11000ft	DME 5.0mi	ICAO rules
BENO4A	RAMIM	VHF	right	98 (278)°	5500ft - 12000ft	1.0min timed	210
GOSN1A	ODALO	VHF	right	279 (99)°	6000ft - 11000ft	DME 5.0mi	ICAO rules
GOSN2A	ODALO	VHF	right	279 (99)°	6000ft - 11000ft	DME 5.0mi	ICAO rules
GOSN3A	ODALO	VHF	right	279 (99)°	6000ft - 11000ft	DME 5.0mi	ICAO rules
KUDA3A	ODALO	VHF	right	279 (99)°	6000ft - 11000ft	DME 5.0mi	ICAO rules
KUDA4A	RAMIM	VHF	right	98 (278)°	5500ft - 12000ft	1.0min timed	210
LISR1A	ODALO	VHF	right	279 (99)°	6000ft - 11000ft	DME 5.0mi	ICAO rules
LISR2A	ODALO	VHF	right	279 (99)°	6000ft - 11000ft	DME 5.0mi	ICAO rules
LISR3A	ODALO	VHF	right	279 (99)°	6000ft - 11000ft	DME 5.0mi	ICAO rules
MABA1A	ODALO	VHF	right	279 (99)°	6000ft - 11000ft	DME 5.0mi	ICAO rules
MABA2A	ODALO	VHF	right	279 (99)°	6000ft - 11000ft	DME 5.0mi	ICAO rules
MABA3A	ODALO	VHF	right	279 (99)°	6000ft - 11000ft	DME 5.0mi	ICAO rules
MABA4A	RAMIM	VHF	right	98 (278)°	5500ft - 12000ft	1.0min timed	210
MAGA1A	ODALO	VHF	right	279 (99)°	6000ft - 11000ft	DME 5.0mi	ICAO rules
MAGA2A	ODALO	VHF	right	279 (99)°	6000ft - 11000ft	DME 5.0mi	ICAO rules
MAGA3A	ODALO	VHF	right	279 (99)°	6000ft - 11000ft	DME 5.0mi	ICAO rules
MOKI1A	MAK	NDB	left	279 (99)°	3200ft - 11000ft	1.0min timed	220
MOKI2A	MAK	NDB	left	279 (99)°	3200ft - 11000ft	1.0min timed	220
MOKI3A	ODALO	VHF	right	279 (99)°	6000ft - 11000ft	DME 5.0mi	ICAO rules
MOKI4A	RAMIM	VHF	right	98 (278)°	5500ft - 12000ft	1.0min timed	210
OBOG1A	MAK	NDB	left	279 (99)°	3200ft - 11000ft	1.0min timed	220
OBOG2A	MAK	NDB	left	279 (99)°	3200ft - 11000ft	1.0min timed	220
OBOG3A	ODALO	VHF	right	279 (99)°	6000ft - 11000ft	DME 5.0mi	ICAO rules
OBOG4A	RAMIM	VHF	right	98 (278)°	5500ft - 12000ft	1.0min timed	210
OBOG7A	MAK	NDB	left	279 (99)°	3200ft - 11000ft	1.0min timed	220

OBOG8A	MAK	NDB	left	279 (99)°	3200ft - 11000ft	1.0min timed	220
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\*) magnetic outbound (inbound) holding course

## Disclaimer

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## To be used with X-Plane simulation only