

Keyboard Map

ESC
End Mission

F1
Cockpit view
Head move v
HUD only v

F2
Aircraft view
Aircraft labels
Own Aircraft view
Cam ctrl O/F
Cam position O/F

F3
Fly-by view
Fly-by jump view

F4
Arcade view
Look Back
Chase view

F5
Near A/C view
Ground hostile
ALock nrst Arcft

F6
Released wpn v
Missile labels
Wpn to Tgt view
ALock cntr Arcft

F7
Gnd unit view
ALock nxt Arcft

F8
Target view
Player/all targets
ALock prev Arcft

F9
Ship view
ShipVehicle label
Landing officer v
ALock nrst gnd tgt

F10
Map view
All labels
Map current point
ALock cntr gnd tgt

F11
Airport view
Free camera v
ALock nxt gnd tgt

F12
Static view
TrainsCars O/F
Civilian traffic v
ALock prev gnd tgt

~
Track IR reset
Next WP, Af or Tgt
Autopilot override

1
Nav modes
A/P Attitude hold

2
A/P Alt & roll hold

3
Autopilot Lvl flight

4
A/P Baro Alt hold

5
A/P radar Alt hold

6
Longitude missile aim
A/P route follow

7
Air to Grnd mode

8
Gunsight mode

9
Autopilot disengage

0

-
Zoom out
Alt pressure -
Gunpod elv - step
Target size -

+
Zoom in
Alt pressure +
Gunpod elv + step
Target size +

BACKSPACE
Target unlock

TAB

Q
Countermeasures
Crmearsr-continuous
Attack my Tgt

W
Wheel break
Jettison Weapons
Cover me
Launch perm ovr

E
ECM
IR jamming
Eject (3 times)
Complete+RTB

R
Dump fuel
Complete+rejoin
RWR/SPO mode
Jettison fuel tanks

T
Smoke
Trim reset
Formation O/F

Y
Info bar O/F
Join formation
Co-ord units

U
Ship takeoff positn
AWAC Home

I
ELINT pod O/F
AWAC Tanker

O
Electro-optical O/F
Laser range O/F
x5 Force laser
Night vision O/F

P
Dragging chute

[
Mouse fast
Mouse slow
Mouse norm
Gunpod elv +

]
Keyboard fast
Keyboard slow
Keyboard norm
Gunpod elv -

\
Comm menu
Switch dialog
Switch to main menu

CAPSLOCK

A
AutoPilot O/F

S
Sound O/F

D
Weapon change
Atk air defenses

F
Flaps
Flaps Lnd positn
Flaps up

G
Gear up/down
Attack Gnd Tgt
Emergency gear

H
Autopilot Alt hold
HUD bright +
HUD bright -
HUD colour

J
Cam jiggle O/F
Jump other plane

K
keep terrain cam alt

L
Electric power switch
Navigation lights
Gear light N/F/O

;
Tgt designtr up

='
Cons/score
Rearm/Refuel

RETURN
Lock target / Ground stabilise O/F
Show controls indicator O/F

L SHIFT

Z
Rudder left
Time = 1
Time +
Time -

X
Rudder right

C
Cannon
Cut of burst selct
Canopy O/C
Ckable ckpt O/F
Flight clock

V
Ripple Intv +
Ripple Intv -
Salvo mode

B
Airbrake
Airbrake on
Airbrake off
View briefing

N
Reset warning
Mirror left

M
Master mode
Mirror right

<
Tgt designtr left
RWR/SPO vol +

>
Tgt designtr down
RWR/SPO vol -

?
Tgt designtr right

R SHIFT

L CTRL

L WIN

L ALT

SPACE
Fire weapon
Ripple Qty / SPPU select

R ALT

R WIN

R CLICK

R CTRL

DCS SU-25T Frogfoot

PRT SCR
Screenshot

SCR LK
Active Pause O/F

PAUSE
Pause O/F
Frame rate

INS
Chase release
Obj all excluded

HOME
Eng start right
Eng start left
Start procedure

PAGEUP
Thrust up
Obj switch bkwd

DEL
Flare release
Obj exclude
View all mode

END
Eng stop right
Eng stop left
Stop procedure

PAGEDN
Thrust down
Obj switch fwd

NUM
Unlock view
(stop Padlock)

/
Zoom out
F11 cam fwd
Zoom ext out

*
Zoom in
F11 cam bkwd
Zoom ext in

-
Power down

7
View up left

8
View up

9
View up right

+
Power up
Tracking fire
weapon O/F

4
View left

5
View center

6
View right

1
View down left

2
View down

3
View down right

ENTER
Zoom normal
Zoom ext
normal

0
Cockpit panel view snap

Lock view
(cycle Padlock)
All missile PL
Threat missile PL
Lock terrain v

UP
Fly down

LEFT
Fly left

DOWN
Fly up

RIGHT
Fly right

Ground Threats

RADAR GUIDED					
RWR	Name		Range	Altitude	Speed
HA	HAWK		Min 2km Max 32km	Min 60m Max 13,700m	Mach 2.7
	Armament x 3 missiles				
PA	PATRIOT		Min 3km Max 160km	Min 60m Max 24,240m	Mach 5
RO	ROLAND		Min 0.5km Max 6.3km	Min 10m Max 5500m	Mach 1.6
GROUND RADARS					
RWR	Name				
HA	HAWK track radar		HAWK search radar		
PA	PATRIOT search & track radar				
S	Early warning radar				

IR GUIDED					
RWR	Name		Range	Altitude	Speed
	STINGER		Min 0.2km Max 8km	Max 3800m	Mach 2.2
	AVENGER M1097 PMS		Min 0.3km Max 7km		Mach 2.2
	LINEBACKER M6 - Bradley		Max 3km		Mach 2.2
	CHAPARRAL M48		Min 0.4km Max 8.5km	Max 3000m	Mach 2.5
AAA					
RWR	Name		Range	Altitude	Speed
GP	GEpard 1A2		Max 3km		
	Armament x 620 ammo				
	VULCAN M-163		Max 2.6km		
	Armament x 2280 ammo				

Airborne Radars

RADAR	
RWR	Name
M	Missile
E2	E2C AWACS
E3	E3A AWACS
F4	F4
F5	F5
M2	Mirage 2000
14	F14
15	F15
16	F16
18	FA18
23	MIG23
25	MIG25
27	Su27
29	MIG29
31	MIG31
30	Su30
33	Su33
34	Su34
50	A-50

Direction to the primary threat

Own aircraft mark on the "light strip"

Primary threat type

Secondary threat type

Power light

Direction to the secondary threat

"Light strip" - Relative emission power the primary threat, estimate range to threat




























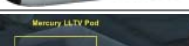
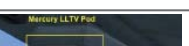
Relative elevation of the primary threat

Red flashing lamp - launch indication

T = Fighter aircraft radar or active missile radar
3 = Long range SAM
X = Medium range SAM
H = Short range SAM
F = Ground based early warning radar
C = AWAC's

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Weapons

TYPE			DESCRIPTION	RANGE	LOAD	TARGET TYPES
R-60 Aphid			Short range IR Air-to-air missile	7km	65 kg	Aircraft
R-73 Archer			Medium range IR air-to-air missile	20km	110 kg	Aircraft
FAB - 100			General purpose freefall bomb		100 kg	General ground targets
FAB - 250			General purpose freefall bomb		250 kg	General ground targets
FAB - 500			General purpose freefall bomb		500 kg	General ground targets
RBK - 250 PTAB-2.5M			Cluster freefall 30 x 2.5kg anti-tank bomblets		275 kg	Formation armour (Tanks / APC)
RBK - 500 PTAB-10.5			Cluster freefall 30 x 10kg anti-tank bomblets		504 kg	Formation armour (Tanks / APC)
RBK - 500 PTAB-1M			Cluster freefall 352 x 1kg anti-tank bomblets		504 kg	Formation armour (Tanks / APC)
KMGU-2 AO-2.5RT			Submunition dispenser for 96 x 2.5kg anti-personnel / material bomblets		525kg	Soft targets
KMGU-2 PTAB-2.5KO			Submunition dispenser for 96 2.5kg anti-tank bomblets		525kg	Formation armour (Tanks / APC)
BetAB - 500			Freefall penetration bomb		478 kg	Concrete piercing, bunkers, concrete runways
BetAB-500shp			Penetration bomb with rocket / parachute system		380 kg	Concrete piercing, bunkers, concrete runways
9K121 Vikhr 9A4172			Antitank laser beam riding missile	8km		Armored vehicles, helicopters
Kh-25ML Karen			Short range semi-active laser seeking air-to-surface missile	2-10km	300kg	Radars, command centers, SAM, AAA
Kh-25MPU Kegler			Medium range passive anti-radar air-to-surface missile	20-40km	320kg	Radar (Hawk, Nike Hercules, Patriot, Roland)
SAB-100			Freefall parachute Illumination Bomb		100kg	
S-5 KO		UB-32A-32 pod	32 x 57mm unguided rocket	3km	3.8kg	Soft targets
S-8 KOM			20 x 80mm unguided rocket HEAT	2km		Light armour / soft targets
S-8 OFP2			20 x 80mm unguided rocket Blast anti personnel / material	3km	15kg	
S-8 TsM			20 x 80mm unguided rocket Smoke (target designation)	2km	15kg	
S-13 OF S-13 T			122mm unguided rocket - Anti personnel / material 122mm unguided rocket - Penetrating	3km	68kg	Unarmoured targets, pillboxes, Shelters, runways Armour
S-24 B			Unguided rocket - Blast anti personnel / material	3km	235kg	Large area or soft targets
S-25 OFM S-25 L			340mm unguided rocket - Blast anti personnel/material 340mm laser guided rocket	3km 7km	480kg 480kg	
SPPU-22			Gunpod			
MPS-410 Omul			Active ECM Pod - Jam missiles/radar			
Mercury			Low Light TV Pod			
ELINT L-081 Fantasmagoria			Passive Ground Radar Analysis pod to locate radars (needed for anti-radar missiles)			

Airports



AIRFIELD	ICAO	CO-ORDINATES	TOWER FREQ	ILS	TACAN
Anapa	URKA	44o59'36"N,37o20'19"E	121.0MHz		
Batumi	UGSB	41o36'58"N,41o35'31"E	131.0MHz	13, 110.3MHz	16X BTM
Beslan	URMO	43o12'26"N,44o35'19"E	141.0MHz		
Gelendzhik	URKG	44o33'54"N,38o00'25"E	126.0MHz		
Gudauta	UG23	43o06'09"N,40o34'01"E	130.0MHz		
Kobuleti	UG5X	41o55'36"N,41o51'05"E	133.0MHz	07, 111.5MHz	67X KBL
Kopitnari-Kutaisi	UGKO	42o10'30"N,42o28'05"E	134.0MHz	08, 109.75MHz	44X KTS
Krasnodar Center	URKI	45o05'03"N,38o57'34"E	122.0MHz		
Krasnodar-Pashkovskty	URKK	45o01'52"N,39o08'38"E	128.0MHz		
Krymsk	URKW	44o58'27"N,38o00'37"E	124.0MHz		
Maykop-Khanskaya	URKH	44o41'22"N,40o03'08"E	125.0MHz		
Mineralnye Vody	URMM	44o12'58"N,43o06'13"E	135.0MHz	12, 111.7MHz 30, 109.3MHz	
Mozdok	XRMF	43o47'26"N,44o34'44"E	137.0MHz		
Nalchik	URMN	43o30'29"N,43o37'30"E	136.0MHz	24, 110.5MHz	
Novorossiysk	URKN	44o39'36"N,37o46'25"E	123.0MHz		
Senaki-Tskhakaya	UGKS	42o14'31"N,42o02'08"E	132.0MHz	09, 108.90MHz	31X TSK
Sochi-Adler	URSS	43o06'17"N,40o35'26"E	127.0MHz	06, 111.1MHz	
Soganlug	UG24	41o39'26"N,44o55'48"E	139.0MHz		
Sukhumi	UGSS	42o51'21"N,41o09'17"E	129.0MHz		
Tbilisi	UGTB	41o40'37"N,44o56'37"E	138.0MHz	13, 110.3MHz 31, 108.9MHz	
Vaziani	UG27	41o37'09"N,45o02'10"E	140.0MHz	14, 108.75MHz	22X VAS
Banodzha		42o15'54"N, 42o39'24"E			
Kvitiri		42o14'53"N, 42o37'50"E			
Ochkhamuri		41o50'17"N, 41o48'02"E			