

DCS WORLD

AIRCRAFT RADIO AND NAVIGATION EQUIPMENT

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- WEBLINK-

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LEGEND		
	Interphone	The aircraft offers the ability for the pilot to communicate with the ground crew through an external headset jack.
	Communication with Tower, ATC, Flight Controller, FARP	This icon indicates the main radio for communication with any sort of air traffic control.
	Communication with FAC and ground troops	This icon indicates the main radio for communication with Forward Air Controllers or infantrie on ground .
	Air-Air Communication	This icon indicates the main radio for communication with other friendly aircraft flying the same sortie.
	ILS / PRMG	The aircraft offers a sort of instrument landing system.
	GNSS	The aircraft has the ability to use some sort of a Global Navigation Satellite System (GPS, GLONASS, GALILEO or Beidou).
	TACAN / RSBN	The aircraft has a tactical air navigation system.
	ADF	The aircraft has the ability to use non directional beacons for navigation.
	VOR	The aircraft has the ability to use VOR-Stations (VHF Omnidirectional Radio Range) for navigation.
	AHRS / Doppler Navigation	The aircraft has an Attitude Heading Reference System or a Doppler Navigation Sytem.
	SAR Homing	The helicopter has special radio equipment for detecting and tracking distress signals.



CHAPTER 1

HELICOPTERS

EQUIPMENT OVERVIEW [MI-8]

INTERPHONE														
V/UHF AM/FM RADIO		R-863 Command		100 – 149 MHz (VHF) 220 – 399 MHz (UHF) Manual Control 20 Preset Channels	①	127.5 MHz AM	⑤	125 MHz AM	⑨	126 MHz AM	⑬	123 MHz AM	⑰	138 MHz AM
	②				135 MHz AM	⑥	121 MHz AM	⑩	133 MHz AM	⑭	131 MHz AM	⑱	122 MHz AM	
	③				136 MHz AM	⑦	141 MHz AM	⑪	130 MHz AM	⑮	134 MHz AM	⑲	124 MHz AM	
	④				127 MHz AM	⑧	128 MHz AM	⑫	129 MHz AM	⑯	132 MHz AM	⑳	137 MHz AM	
LVHF FM RADIO		R-828		20 – 59 MHz 10 Preset Channels	①	21.5 MHz FM	⑤	30.0 MHz FM	⑨	55.5 MHz FM				
	②				25.7 MHz FM	⑥	32.0 MHz FM	⑩	59.9 MHz FM					
	③				27.0 MHz FM	⑦	40.0 MHz FM							
	④				28.0 MHz FM	⑧	50.0 MHz FM							
HF AM/SSB RADIO		YaDRO-1A		2 – 17 MHz Manual Control										
														
ILS / PRMG														
DOPPLER NAVIGATION		DISS-15												
														
TACAN / RSBN														
ADF		ARK-9		150 – 1300 kHz Manual Control										
														
VOR														
SAR HOMING		ARK-UD		114 – 124 MHz (VHF) 243 – 248 MHz (UHF) 7 Preset Channels	①	114.166 MHz AM	⑤	123.100 MHz AM						
	②				114.333 MHz AM	⑥	124.100 MHz AM							
	③				114.538 MHz AM	ANY	243.000 MHz AM							
	④				121.500 MHz AM									

Mi-8MTV2

Magnificent Eight



EQUIPMENT OVERVIEW [SA342]

INTERPHONE

VHF AM RADIO

VHF AM
Radio

118 – 143 MHz
Manual Control

VHF FM RADIO

FM PR4G

30 – 87 MHz
8 Preset Channels

①

30 MHz FM

⑤

34 MHz FM

②

31 MHz FM

⑥

40 MHz FM

③

32 MHz FM

⑦

41 MHz FM

④

33 MHz FM

⑧

42 MHz FM

UHF RADIO

UHF Radio

225 – 399 MHz
Manual Control

ILS / PRMG

DOPPLER

NADIR

TACAN / RSBN

ADF

ADF Radio

VOR

SAR HOMING

SA342
GAZELLE

INTERPHONE 		C-1611/AC 													
VHF AM RADIO  		AN/ARC-134 	116 – 149 MHz Manual Control 												
VHF FM RADIO 		AN/ARC-131 	30 – 75 MHz Manual Control 												
UHF RADIO 		AN/ARC-51BX 	225 – 399 MHz 20 Preset Channels & Manual Control 	① ② ③ ④	251 MHz AM 264 MHz AM 265 MHz AM 256 MHz AM	⑤ ⑥ ⑦ ⑧	254 MHz AM 250 MHz AM 270 MHz AM 257 MHz AM	⑨ ⑩ ⑪ ⑫	255 MHz AM 262 MHz AM 259 MHz AM 268 MHz AM	⑬ ⑭ ⑮ ⑯	269 MHz AM 260 MHz AM 163 MHz AM 261 MHz AM	⑰ ⑱ ⑲ ⑳	267 MHz AM 251 MHz AM 253 MHz AM 266 MHz AM		
ILS / PRMG 		AN/ARN-82 	108 – 126 MHz Manual Control												
GNSS 															
TACAN / RSBN 															
ADF 		AN/ARN-83 	190 – 1750 kHz Manual Control												
VOR 		AN/ARN-82 	108 – 117 MHz Manual Control												
SAR HOMING 		AN/ARC-131 	30 – 75 MHz Manual Control 												



CHAPTER 2

PISTON DRIVEN AIRCRAFT

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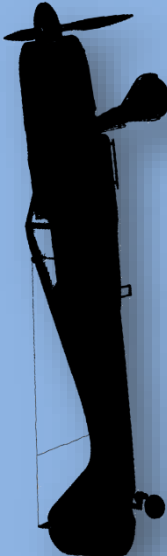
Bf109K-4
KURFÜRST



EQUIPMENT OVERVIEW [FW190 D-9]

FW190D-9

DORA



INTERPHONE					
VHF AM RADIO	FuG 16ZY		38 – 42 MHz 4 Preset Channels		
			①	39 MHz AM	
			②	40 MHz AM	
			③	41 MHz AM	
			④	42 MHz AM	
VHF FM RADIO					
UHF RADIO					
ILS / PRMG					
GNSS					
TACAN / RSBN					
ADF	FuG 16ZY				
VOR					
AHRS					

P-51D
MUSTANG



EQUIPMENT OVERVIEW [P-51D]

INTERPHONE							
VHF AM RADIO		SCR-522-A		100 – 156 MHz 4 Preset Channels		①124 MHz AM	
				②124 MHz AM			
				③131 MHz AM			
				④139 MHz AM			
				VHF FM RADIO			
UHF RADIO							
ILS / PRMG							
GNSS							
TACAN / RSBN							
ADF		AN/ARA-8		120 - 140 MHz			
							
VOR							
AHRS							

EQUIPMENT OVERVIEW [SPITFIRE]

SPITFIRE
LF Mk.IX



INTERPHONE							
VHF AM RADIO		A.R.I. 1063		100 – 156 MHz 4 Preset Channels	①	124 MHz AM	
	②				124 MHz AM		
	③				131 MHz AM		
	④				139 MHz AM		
	VHF FM RADIO						
UHF RADIO							
ILS / PRMG							
GNSS							
TACAN / RSBN							
ADF							
VOR							
AHRS							



CHAPTER 3

JET AIRCRAFT

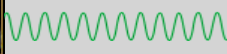
EQUIPMENT OVERVIEW [A-10C]

INTERPHONE 	ICP													
VHF AM RADIO 	AN/ARC-186		116 – 149 MHz Manual Control 20 Config. Channels	①	MHz AM	⑤	MHz AM	⑨	MHz AM	⑬	MHz AM	⑰	MHz AM	
				②	MHz AM	⑥	MHz AM	⑩	MHz AM	⑭	MHz AM	⑱	MHz AM	
				③	MHz AM	⑦	MHz AM	⑪	MHz AM	⑮	MHz AM	⑲	MHz AM	
				④	MHz AM	⑧	MHz AM	⑫	MHz AM	⑯	MHz AM	⑳	MHz AM	
VHF FM RADIO 	AN/ARC-186		30 – 76 MHz Manual Control 20 Config. Channels	①	MHz FM	⑤	MHz FM	⑨	MHz FM	⑬	MHz FM	⑰	MHz FM	
				②	MHz FM	⑥	MHz FM	⑩	MHz FM	⑭	MHz FM	⑱	MHz FM	
				③	MHz FM	⑦	MHz FM	⑪	MHz FM	⑮	MHz FM	⑲	MHz FM	
				④	MHz FM	⑧	MHz FM	⑫	MHz FM	⑯	MHz FM	⑳	MHz FM	
UHF RADIO 	AN/ARC-164		225 – 399 MHz Manual Control 20 Config. Channels	①	MHz AM	⑤	MHz AM	⑨	MHz AM	⑬	MHz AM	⑰	MHz AM	
				②	MHz AM	⑥	MHz AM	⑩	MHz AM	⑭	MHz AM	⑱	MHz AM	
				③	MHz AM	⑦	MHz AM	⑪	MHz AM	⑮	MHz AM	⑲	MHz AM	
				④	MHz AM	⑧	MHz AM	⑫	MHz AM	⑯	MHz AM	⑳	MHz AM	
ILS / PRMG 	ILS													
GNSS 	GPS		EGI											
TACAN / RSBN 	TACAN													
ADF 	AN/ARC-164		NOT SIMULATED											
VOR 														
AHRS 	HARS													

A-10C
WARTHOG

INTERPHONE 		AN/AC-18 										
VHF AM RADIO 		AN/ARC-134 	116 – 149 MHz Manual Control 									
VHF FM RADIO 												
UHF RADIO 		AN/ARC-164 	225 – 339 MHz Manual Control 20 Config. Channels 		① 225 MHz AM	⑤ 255 MHz AM	⑨ 253 MHz AM	⑬ 264 MHz AM	⑰ 268 MHz AM			
					② 258 MHz AM	⑥ 259 MHz AM	⑩ 263 MHz AM	⑭ 266 MHz AM	⑱ 271 MHz AM			
					③ 260 MHz AM	⑦ 262 MHz AM	⑪ 267 MHz AM	⑮ 265 MHz AM	⑲ 275 MHz AM			
					④ 270 MHz AM	⑧ 257 MHz AM	⑫ 254 MHz AM	⑯ 252 MHz AM	⑳ 285 MHz AM			
ILS / PRMG 		AN/ARN-127 										
GNSS 												
TACAN / RSBN 		AN/ARC-118 										
ADF 		AN/ARC-127 										
VOR 		AN/ARC-127 										
AHRS 												

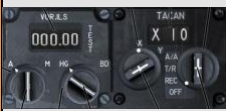
INTERPHONE										
VHF AM RADIO										
VHF FM RADIO										
UHF RADIO	AN/ARC-164		225 – 339 MHz Manual Control 20 Config. Channels	① 305 MHz AM	⑤ 254 MHz AM	⑨ 255 MHz AM	⑬ 269 MHz AM	⑰ 267 MHz AM		
				② 264 MHz AM	⑥ 250 MHz AM	⑩ 262 MHz AM	⑭ 260 MHz AM	⑱ 251 MHz AM		
				③ 265 MHz AM	⑦ 270 MHz AM	⑪ 259 MHz AM	⑮ 163 MHz AM	⑲ 253 MHz AM		
				④ 256 MHz AM	⑧ 257 MHz AM	⑫ 268 MHz AM	⑯ 261 MHz AM	⑳ 266 MHz AM		
ILS / PRMG										
GNSS										
TACAN / RSBN	AN/ARC-118									
ADF	AN/ARA-50		225 – 399 MHz 20 Preset Channels	① 305 MHz AM	⑤ 254 MHz AM	⑨ 255 MHz AM	⑬ 269 MHz AM	⑰ 267 MHz AM		
				② 264 MHz AM	⑥ 250 MHz AM	⑩ 262 MHz AM	⑭ 260 MHz AM	⑱ 251 MHz AM		
				③ 265 MHz AM	⑦ 270 MHz AM	⑪ 259 MHz AM	⑮ 163 MHz AM	⑲ 253 MHz AM		
				④ 256 MHz AM	⑧ 257 MHz AM	⑫ 268 MHz AM	⑯ 261 MHz AM	⑳ 266 MHz AM		
VOR										
AHRS										

INTERPHONE														
VHF AM RADIO														
VHF FM RADIO														
UHF RADIO	AN/ARC-27		225 – 339 MHz 20 Preset Channels		①	225 MHz AM	⑤	255 MHz AM	⑨	253 MHz AM	⑬	264 MHz AM	⑰	268 MHz AM
②					258 MHz AM	⑥	259 MHz AM	⑩	263 MHz AM	⑭	266 MHz AM	⑱	269 MHz AM	
③					260 MHz AM	⑦	262 MHz AM	⑪	267 MHz AM	⑮	265 MHz AM			
④					270 MHz AM	⑧	257 MHz AM	⑫	254 MHz AM	⑯	252 MHz AM			
ILS / PRMG														
GNSS														
TACAN / RSBN														
ADF	AN/ARN-6		100 – 1750 MHz											
VOR														
AHRS														

EQUIPMENT OVERVIEW [HAWK T.1A]

INTERPHONE 															
VHF AM RADIO 		ARI 23259/1		116 – 149 MHz Manual Control 											
VHF FM RADIO 															
UHF RADIO 		AN/ARC-164		225 – 399 MHz Manual Control 18 Config. Channels 		①225 MHz AM ②258 MHz AM ③260 MHz AM ④270 MHz AM	⑤255 MHz AM ⑥259 MHz AM ⑦262 MHz AM ⑧257 MHz AM	⑨253 MHz AM ⑩263 MHz AM ⑪267 MHz AM ⑫254 MHz AM	⑬264 MHz AM ⑭266 MHz AM ⑮265 MHz AM ⑯252 MHz AM	⑰268 MHz AM ⑱269 MHz AM					
ILS / PRMG 		ILS													
GNSS 															
TACAN / RSBN 		TACAN													
ADF 		AN/ARC-164		NOT SIMULATED											
VOR 		NOT SIMULATED													
AHRS 															

INTERPHONE											
VHF AM RADIO		R-832M		116 – 149 MHz 20 Preset Channels 	① 305 MHz AM	④ 254 MHz AM	⑧ 255 MHz AM	⑫ 269 MHz AM	⑯ 267 MHz AM		
					① 264 MHz AM	⑤ 250 MHz AM	⑨ 262 MHz AM	⑬ 260 MHz AM	⑰ 251 MHz AM		
					② 265 MHz AM	⑥ 270 MHz AM	⑩ 259 MHz AM	⑭ 163 MHz AM	⑱ 253 MHz AM		
					③ 256 MHz AM	⑦ 257 MHz AM	⑪ 268 MHz AM	⑮ 261 MHz AM	⑲ 266 MHz AM		
VHF FM RADIO											
UHF RADIO											
ILS / PRMG		RSBN-5S „ISKRA-K“									
											
GNSS											
TACAN / RSBN		RSBN-5S „ISKRA-K“									
											
ADF		RKL-41									
											
VOR											
AHRS											

INTERPHONE											
V/UHF AM RADIO		TRT ERA 7000		118 – 400 MHz Manual Control 20 Preset Channels		① 129 MHz AM ② 135 MHz AM ③ 136 MHz AM ④ 127 MHz AM	⑤ 125 MHz AM ⑥ 121 MHz AM ⑦ 141 MHz AM ⑧ 128 MHz AM	⑨ 126 MHz AM ⑩ 133 MHz AM ⑪ 130 MHz AM ⑫ 139 MHz AM	⑬ 140 MHz AM ⑭ 131 MHz AM ⑮ 134 MHz AM ⑯ 132 MHz AM	⑰ 138 MHz AM ⑱ 122 MHz AM ⑲ 124 MHz AM ⑳ 137 MHz AM	
VHF FM RADIO											
UHF RADIO		TRT 7200		225 – 339 MHz 20 Preset Channels		① 251 MHz AM ② 264 MHz AM ③ 265 MHz AM ④ 256 MHz AM	⑤ 254 MHz AM ⑥ 250 MHz AM ⑦ 270 MHz AM ⑧ 257 MHz AM	⑨ 255 MHz AM ⑩ 262 MHz AM ⑪ 259 MHz AM ⑫ 268 MHz AM	⑬ 269 MHz AM ⑭ 260 MHz AM ⑮ 163 MHz AM ⑯ 261 MHz AM	⑰ 267 MHz AM ⑱ 251 MHz AM ⑲ 253 MHz AM ⑳ 266 MHz AM	
ILS / PRMG		ILS									
GNSS											
TACAN / RSBN		TACAN									
ADF											
VOR		VOR									
AHRS		PCN									

EQUIPMENT OVERVIEW [MIG-15]				
MIG-15bis FAGOT 	INTERPHONE			
	VHF AM RADIO			
	VHF FM RADIO			
	SW RADIO	RSI-6	 3 – 5 MHz Manual Control 	
	ILS / PRMG			
	GNSS			
	TACAN / RSBN			
	ADF	ARK-5		
	VOR			
	AHRS			

EQUIPMENT OVERVIEW [MIG-21]

INTERPHONE 																						
VHF AM RADIO 		116 – 149 MHz 20 Preset Channels 	0 124 MHz AM	4 141 MHz AM	8 122 MHz AM	12 135 MHz AM	16 132 MHz AM	1 150 MHz AM	5 126 MHz AM	9 124 MHz AM	13 137 MHz AM	17 127 MHz AM	2 121 MHz AM	6 130 MHz AM	10 134 MHz AM	14 136 MHz AM	18 129 MHz AM	3 131 MHz AM	7 133 MHz AM	11 125 MHz AM	15 123 MHz AM	19 138 MHz AM
VHF FM RADIO 																						
UHF RADIO 																						
ILS / PRMG 																						
GNSS 																						
TACAN / RSBN 																						
ADF 																						
VOR 																						
AHRS 																						