

RKR Kirov [Pr.1144 Orlan] - 1980 Renamed Admiral Ushakov, SS-N-14, SA-N-4, AK-630

Soviet Union [-1991]

Type: BCGN - Nuclear Powered Guided

Missile Battle Cruiser

Max Speed: 33 kt

Commissioned: 1980

Length: 252.0 m

Beam: 28.5 m

Draft: 9.1 m

Crew: 710

Displacement: 24300 t

Displacement Full: 28000 t

Propulsion: 2x KN-3 Nuclear Reactors, 2x

GTZA 688 Steam Turbines, CONAS



Sensors / EW:

- Fly Screen B - (Helicopter Control, TACAN) Radar, Radar, Air Traffic Control (ATC), Max range: 74.1 km
- Tin Man - (Helicopter Control, TACAN) Visual, Visual, Surveillance TV Camera, Max range: 55.6 km
- Side Globes [MP-403 Gorzuf] - (Radome Pair, 1967) ECM, OEMC & DECM, Offensive & Defensive ECM, Max range: 0 km
- Rum Tub [MP-404] - (Pair, OTH Targeting, Assoc w Side Globes/Bell Nip) ESM, ELINT w/ OTH Targeting, Max range: 926 km
- Bell Nip - (Wine Flask K-Band Jammer?) ECM, OEMC & DECM, Offensive & Defensive ECM, Max range: 0 km
- Mare Tail [MG-325 Vega] - (Assoc w Bull Nose (Orion) & Bull Nose (Titan-2)) VDS, Active/Passive Sonar, VDS, Active/Passive Variable Depth Sonar, Max range: 14.8 km
- Horse Jaw [MG-342 Orion] - (Moskva, Kiev, Assoc w Mare Tail (Vega)) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search & Track, Max range: 27.8 km
- Eye Bowl [Sprut] - (SS-N-14) Radar, Radar, FCR, Surface-to-Surface, Max range: 22.2 km
- Pop Group [MPZ-301] - (Land Roll) Radar, Radar, FCR, Surface-to-Air, Short-Range, Max range: 44.4 km
- Top Dome [3R41 Volna] - (Land Roll) Radar, Radar, FCR, Surface-to-Air, Medium-Range, Max range: 166.7 km
- Kite Screech A [Radar] - (Group, AK-100 GFCR, Udaloy) Radar, Radar, FCR, Weapon Director, Max range: 74.1 km
- Kite Screech A [TV Camera] - (Group, AK-100 GFCR, Udaloy) Visual, Visual, Weapon Director TV Camera, Max range: 74.1 km
- Bass Tilt [Radar] - (Group, 30mm GFCR, Pair of guns) Radar, Radar, FCR, Surface-to-Air, Short-Range, Max range: 22.2 km
- Bass Tilt [Laser Rangefinder] - (Group, 30mm GFCR, Pair of guns) Laser Rangefinder, Laser Rangefinder for Weapon Director, Max range: 9.3 km
- Bass Tilt [TV Camera] - (Group, 30mm GFCR, Pair of guns) Visual, Visual, Weapon Director TV Camera, Max range: 74.1 km
- Top Steer [Fregat] - (Top Sail + Strut Pair back-to-back) Radar, Radar, Air Search, 3D Long-Range, Max range: 370.4 km
- Top Pair [MR-800 Flag] - (SA-N-3 Search, Top Sail + Big Net back-to-back) Radar, Radar, Air Search, 3D Long-Range, Max range: 370.4 km

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- Palm Frond [MR-212 Nayada] - (MR-201 Vay, Rashmi, Pal, Nyada) Radar, Radar, Surface Search & Navigation, Max range: 46.3 km
 - Round House TACAN - (MR-201 Vay, Rashmi, Pal, Nyada) Radar, Radar, Air Traffic Control (ATC), Max range: 74.1 km
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Weapons / Loadouts:

- PK-2 Chaff [TSP-47] - (1970, 140mm) Decoy (Expendable). Surface Max: 1.9 km.
 - PK-2 Flare [TST-47] - (1970, 140mm) Decoy (Expendable). Surface Max: 1.9 km.
 - Generic GMTR [Guided Missile Training Round] - (Aka Drill Round) Training Round.
 - SS-N-14 Silex [84R, AT-2UM] - (1976) Guided Weapon. Subsurface Max: 55.6 km.
 - SS-N-19 Shipwreck [P-700 Granit, 200kT Nuclear] - (1984) Guided Weapon. Surface Max: 555.6 km.
 - SS-N-19 Shipwreck [P-700 Granit] - (1984) Guided Weapon. Surface Max: 555.6 km.
 - RBU-1000 Salvo [6 rnds] - (1963) Rocket. Subsurface Max: 0.9 km.
 - RBU-6000 Salvo [12 rnds] - (1961) Rocket. Subsurface Max: 5.6 km.
 - SA-N-4b Gecko [9M33M3] - (1981, 9K33M Osa-2M, SSC) Guided Weapon. Air Max: 14.8 km. Surface Max: 14.8 km.
 - SA-N-6a Grumble [5R55RM] - (1980, Fort, S-300F) Guided Weapon. Air Max: 92.6 km. Surface Max: 46.3 km.
 - AK-100 100mm/70 HE - Gun. Surface Max: 9.3 km. Land Max: 9.3 km.
 - AK-100 100mm/70 Frag - (Anti-Aircraft) Gun. Air Max: 2.8 km. Surface Max: 9.3 km. Land Max: 9.3 km.
 - AK-630M 30mm/65 Gatling Burst [400 rnds] - Gun. Air Max: 1.9 km. Surface Max: 2.8 km.
 - SET-65M Enot-2 [NATO ET-80A[76]] - (1973, Ship) Torpedo. Subsurface Max: 7.4 km.
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OVERVIEW: The KIROV class CGN is a 2 shaft, combination nuclear and steam powered (CONAS), multi-role battlecruiser.

DETAILS: The KIROV class CGN is the largest non-carrier warship built since the end of World War II. It has a combination steam and nuclear plant, and is capable of being propelled by either, or both plants. A well-balanced ship, it was the first Soviet design to be able to effectively defend a task force against aircraft. This multi-role capability made it useful in controlling sea areas near the Soviet Union to both protect Soviet SSBN deployment areas and protect Soviet territory. The class also was equipped with a large C3I suite, making it a likely flagship.

In June 2013, Russia announced plans to modernize and return to service the Admiral Nakhimov.

NOTES: Displacement: 24,300 tons standard

Speed: 32 knts

Range:

Complement: 800 (approximate)

In Commission: 1980-to date

Completed: 4

SOURCES: Polmar, Norman, and Siegfried Breyer. Guide to the Soviet Navy. Annapolis, Md: Naval Institute Press, 1983, 133-5 ;

<http://www.janes.com/article/22829/russia-to-return-kirov-class-vessel-to-service-by-2018>