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Project 1198 Chablis, GN9120 LR

Product p/n 9120-50-05

List of differences compared to existing GN9120

1 General

1.1 Purpose

This document lists the differences between the new 9120-variant Chablis and the standard variant 2G4 9120. The Chablis is being developed in project 1198.

- Chablis part number: 9120-50-05
- Spawned from part number: 9120-30-05 (2G4 micro boom, US)

2 Design differences

2.1 Mechanical differences

The mechanical differences are purely in colouring. There are no changes in metals, but in specifications of plastic materials.

Base parts	Standard 9120	Chablis 9120 LR
Side panels (2 pcs.)	Silver grey, no logo	Material moulded in Matt black, logo in silver
Base divider (box frame)	Old style logo	No logo

Headset parts	Standard 9120	Chablis 9120 LR
Pivot	Old style logo	New style logo, silver
Accent ring	Silver metallic	Material moulded in black painted Shiny black
Buttons	Black POM	Light grey POM

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2.2 Electrical differences

The electrical changes cover the charging circuit and the RF output power. Because the new ATL battery only has half the capacity compared to the old one the charging current is reduced from 320 mA to 180 mA.

The variable RF output power has been fixed to approx. 6 dBm (previously 18 dBm in std. mode and 6 dBm in Low Power). The output power is determined both by sw and hw changes.

Base and Headset parts	Standard 9120	Chablis 9120 LR
Headset Battery	ATL 330 mAh M 603028	ATL 170 mAh M 603028 Low Cap
Base PCBA – R302	4k7 ohms	8k2 ohms
Base PCBA – R303	4k7 ohms	10k0 ohms
Base PCBA – R403	82k0	N.M
Base PCBA – R404	15k0	N.M
Base PCBA – R475	10k0	N.M
Base PCBA – R476	270R0	N.M
Base PCBA – Q400	BC847W	N.M
Base PCBA – C478	N.M	8k2 ohms
Remote PCBA – C480	8p2 farads	N.M
Remote PCBA – Q400	BC847W	N.M
Remote PCBA – R403	47k0 ohms	N.M
Remote PCBA – R404	15k0 ohms	N.M
Remote PCBA – R475	12k0 ohms	N.M
Remote PCBA – R476	330R ohms	N.M
Remote PCBA – C478	N.M	12k0 ohms

The component locations on the PCB and in the schematics are found in the 4 attached pdf documents – circled in blue: 6863-36A_rev_B_layout Chablis Diff.pdf, 6863-37A_rev_B_layout_top_bottom Chablis Diff.pdf, 6863-37A_rev_B_schematic Chablis Diff.pdf, 1591-36A_rev_B_schematic Chablis Diff.pdf.

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2.3 Software changes (functional changes)

The software is changed to facilitate changes in functionality. These changes are merely reduction of the available features.

Functional changes	Standard 9120	Chablis 9120 LR
Reduced range (from 100m to 30m)	High and low TX power modes	Locked in low TX power mode
Conference call	Enabled	Disabled

2.4 Other changes

User material (manuals and guides) will be changed to reflect the changes done in the product. Also the new retail package is being adapted.

Auxiliary changes	Standard 9120	Chablis 9120 LR
Reference guide and Quick guide	Photos show std. model Multiple languages Talk time: up to 8 hours	Photos updated to show Chablis Languages reduced to Eng, Fr, and Esp Talk time: up to 5½ hours
Packaging – box and inlay	Normal size: (LxBxH = 330x215x85 mm)	Reduced size (LxBxH = 284x185x60 mm)
Packaging instructions	Standard	Reflect box change