

ARCTURUS 98

MECHANICAL KEYBOARD



USER MANUAL

KEY HIGHLIGHTS



PRODUCT OVERVIEW

The **Cosmic Byte Arcturus 98** is a full-featured compact mechanical keyboard combining a near full-size layout with premium acoustics, hot-swappable switches, and tri-mode connectivity ideal for both gaming and productivity.

KEY HIGHLIGHTS

- 98% layout (**101 keys + volume knob**)
- **Pre-lubed Outemu Custom Yellow Linear Switches**
- **Hot-swappable PCB (3-pin & 5-pin support)**
- **Advanced multi-layer sound dampening system**
- **Tri-mode connectivity:**
 - Wired (USB Type-C)
 - 2.4GHz Wireless
 - Bluetooth (multi-device)
- Store up to **3 Bluetooth devices** in memory
- **Full N-Key Rollover & Anti-Ghosting**
- **4000mAh battery**
- **RGB lighting (south facing LEDs)**

WHAT'S IN THE BOX

- Cosmic Byte Arcturus 98 Keyboard
- USB Type-C Cable
- 2-in-1 Keycap & Switch Puller
- 2 x Spare Mechanical Switches
- Extra Keycaps
- User Manual

BUILD & ACOUSTIC DESIGN

Sound Dampening System

Premium multi-layer structure:

- **Poron Foam**
- **IXPE Switch Pad**
- **PET Sound Dampening Film**
- **DPEM Switch Pad**
- **Silicone Bottom Pad**

👉 Benefits:

- Reduced hollow sound
- Deep, satisfying keystrokes
- Improved typing acoustics

HOT-SWAP FEATURE

- Supports **3-pin & 5-pin switches**
- No soldering required
- **Switch Replacement Steps**
 - Remove keycap
 - Pull switch using tool
 - Align pins carefully
 - Insert new switch

⚠️ Avoid bending pins

INSTALLATION & CONNECTIVITY

- **Wired Mode**

- Plug Type-C cable → connect to PC
- Auto driver installs (~15 sec)

- **Bluetooth Mode (Multi-Device)**

- **Pairing**

- Switch to BT mode
- Hold **FN + Q/W/E (3 sec)**
- Select keyboard from device

- **Bluetooth Device Names**

- **BT 5.0:** *CB 98 BT5.0*
- **BT 3.0:** *CB 98 BT3.0*

👉 Device auto-selects supported version

- **Switch Devices**

- **FN + Q / W / E**

- **Bluetooth Notes**

- Pairing timeout: 1 minute
- Reconnect: ~20 seconds
- Auto sleep when idle

- **2.4GHz Wireless Mode**

- Switch to 2.4G
- Hold **FN + R (3 sec)**
- Insert receiver

KEY FUNCTIONS & SHORTCUTS

- Function Keys

Shortcut	Function
FN + F1/F2	Screen Brightness - / +
FN + F3	Task view
FN + F4	App switching
FN + F5	Emoji
FN + F6	Screenshot
FN + F7/F8/F9	Media control
FN + F10	Search
FN + F11	Input method
FN + F12	Desktop

- Special Functions

- **FN + ESC (3s)** → Factory reset

RGB LIGHTING CONTROLS

Shortcut	Function
FN + \	Effect
FN + Enter	Color
FN + ↑ / ↓	Brightness
FN + ← / →	Speed
FN + X	ON/OFF

SPECIAL FEATURES

- **Volume Knob**
 - Rotate → Volume
 - Press → Mute
- **Battery Indicator**
 - Low → blinking
 - Charging → constant
 - Full → OFF
- **Battery Level Display**
 - FN + Backspace → numeric keys 0-1 show battery %

SOFTWARE SUPPORT

- Available for customization
- Works in:
 - Wired mode
 - 2.4GHz mode
- Not supported in Bluetooth

ADVANCED TROUBLESHOOTING (Q&A)

- **Keyboard Not Powering ON**
 - Charge battery
 - Check mode switch
- **Wired Not Working**
 - Change USB port
 - Restart PC
- **2.4GHz Issue**
 - Reinsert receiver
 - Press FN + R
- **Bluetooth Not Connecting**
 - Hold FN + Q/W/E
 - Remove old pairing
- **Key Not Working**
 - Replace switch using spare switches
- **Double Typing**
 - Replace faulty switch
- **RGB Not Working**
 - FN + X Turn RGB on/off
 - FN + ↑ / ↓ Increase brightness
- **Battery Draining Fast**
 - Reduce RGB brightness
 - Use wired mode when battery is low
- **Input Lag**
 - Use 2.4GHz mode for gaming

TECHNICAL SPECIFICATIONS

Feature	Details
Layout	98% (101 keys + knob)
Switch	Outemu Custom Yellow (Pre-lubed Linear)
Hot-Swap	3-pin & 5-pin supported
Switch Life	50 million presses
Sound Dampening	Poron + IXPE + PET + DPEM + Silicone
Keycaps	PBT (non-shine-through)
Backlight	RGB (SMD bottom-mounted LEDs)
Battery	4000mAh
Connectivity	Wired / 2.4G / Bluetooth
Bluetooth	5.0 / 3.0
Multi-device	Up to 3 devices
Range	10m
Polling Rate	1000Hz (Wired)
Key Travel	3.6 ± 0.5 mm
Actuation Force	45 ± 5g
Cable	1.6m Type-C (PVC + ferrite)
Feet	Dual-stage with silicone
Size	409 × 142 × 40 mm
Weight	~1000g ± 20g

SAFETY GUIDELINES

- Keep away from liquids
- Avoid extreme temperatures
- Do not disassemble

ENVIRONMENTAL COMPLIANCE

- RoHS compliant
- WEEE compliant
- BIS compliant
- ETA compliant

SUPPORT DETAILS

Stuck? Get instant AI-powered support.



Scan the QR code or visit ai.thecosmicbyte.com to chat with our AI assistant — available 24/7 for setup help, troubleshooting, and product questions across all Cosmic Byte gaming products.

Customer Care Number: +91 7351615161 (Mon-Sat 10am to 6pm)

WhatsApp Support: +91 7351615161

Email: cc@thecosmicbyte.com

WARRANTY

- The Arcturus 98 Mechanical keyboard carries 1 year warranty against manufacturing defects only.
- Physical, water damage and tampered products are not covered under warranty.



Scan the QR Code to know the Warranty Claim Procedure.