

ABELL®

Technical specification

System & Frequency Band

Model	AP40
Frequency	■ EU version FDD LTE: B1/ 3/ 5/ 7/ 8/ 20/ 28 ■ US version FDD LTE: B2/ 3/ 4/ 5/ 7/ 8/ 28/ 66
Positioning(Optional)	GPS/ BDS/ GLONASS/ Galileo/ BD Only

General

Operation System	RTOS
LCD	1.77" LCD 128*160 mm
Number of Groups	200 groups
External Interface	TYPE-C , earphone jack
Operation Temperature	-30°C ~ + 60 °C
Operation Voltage	3.7 VDC
Antenna Impedance	50Ω
Microphone Impedance	2.2KΩ
Battery Capacity	Li-ion DC3.7V 1400 mAh
Dimension	100mm×50 mm×16 mm
Weight	94g (with battery and antenna)
Audio Output Power	≥2000 mW

• All specifications are subject to change without notice due to continuous development.

Standard Accessories



Power Adapter



Charging/Program Cable



Hand strap

Optional Accessories



Wireless Earphone



Remote PTT

AP40

PTT over Cellular Radio Palm Size, Cozy Carry

- Nationwide connectivity
- Wireless headset & PTT



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Dealer Area



Group communication, one call reaches many; supports 4G full network, nationwide interconnectivity

Seamless communication in all weather conditions wherever there is network coverage; supports 4G full network.



1400mAh High-Capacity Lithium Battery for Extended Use

The 1400mAh standard battery provides longer usage time, with a standby time of over 140 hours, well suited for long-duration work requirements.



1.77-inch large display, soft keypad operation

Features a 1.77-inch LCD display with a resolution of 160×128, and 4 function keys for convenient operation.



Supports positioning, map display, enabling visual dispatching (optional)

The backend can obtain location information of each terminal. The dispatch console can query GPS movement trajectories of specified terminals. Dispatchers can quickly create dynamic groups via map selection or group tree checking for flexible command and dispatch. They can also enter any group under their jurisdiction for monitoring and recording as needed.



TYPE-C (Data, Charging, TYPE-C Headset Interface)

TYPE-C design allows for convenient charging using standard mobile phone charging cables.



Call Status Indication

Real-time observation of the call status of members within the group via the terminal screen.



Recording

After enabling the recording function, recordings of each conversation during communication will be automatically saved on the platform server.



Ergonomic Design, Lightweight Body, Matte and Textured Back for Anti-Slip

Streamlined appearance design with a solid and elegant overall look. Lightweight body, matte and textured back fits comfortably in the palm, easy to grip and operate smoothly with one hand.



Powerful backend management, allowing configuration of terminal user permissions, enabling group/user hierarchical management and talk right control (platform support)

Enables hierarchical management of groups/companies and groups/users through simple operations. Allows creation/deletion of predefined groups, allocation of terminal users, and user permission management. Through talk right control, ensures that preset users, groups, or business types can issue emergency commands with priority.

Application



Retail chain stores



Shopping malls



Super markets



Fine restaurants



Star hotels



Outdoor hiking

