BECKLAR
Personal Health & Safety

CONFIDENTIAL - Belle® X2 Specifications:
eSIM certified on TELUS 4G LTE Network

Belle X2 is a small, easy to use mobile personal emergency response system that offers customers confidence to live life on their terms. Customers can easily get help at home or away from home with the press of a button, anywhere in Canada where there is TELUS 4G LTE cellular coverage.

Belle X2 connects customers to expert operators at UL-Listed, TMA Five Diamond Certified central stations 24/7 via built-in two-way voice. Belle X2 is available in black.

General

- **GNSS** GPS/GLONASS/BeiDou/Galileo
- **Location Accuracy** < 2.5 m CEP
- **A-GPS Acquisition Sensitivity** -147 dBm
- **WiFi** location assistance
- **2-way calling** volume to 78 dBA
- **Sensors** Fall Detect with user cancel (worn as a pendant), Accelerometer, Gyro sensor
- **Motion Features** UpAndAbout reporting, Geofencing, Step counting
- **Power Modes** Ready Mode, Always On, Always Off Mode
- **Single Battery Charge** Lasts more than 45 days in Ready Mode and 14-18 days in Always On Mode

Connectivity

- **Data Support** Secure, private, IoT networking
- **IOT** MQTT
- **VoIP SIPv2** SDP - Session Description Protocol, RTP - Real-Time Protocol, RTCP - Real-Time Control Protocol
- **Voice Codec** ITU G.711 – A-law or µ-law (64 kbit/s bit rate)
- **Full Duplex** Speakerphone: 80dBA, Noise Reduction, Echo Suppression, 0.8W Speaker, Digital MIC x2
- **WWAN** LTE Cat 1 bis
- **WWAN Band** LTE CAT1 FDD: B2, B4, B12, B66
- **WLAN/BT** 802.11 b/g/n, 2.4GHz ; BLE 5.0
- **E-UTRA UE Power Class** 3 (0.2 W, 23 dBm)
- **LTE Cat 1 bis** Uplink up to 5 Mbps/Downlink up to 10 Mbps

Environmental

- **Temperature** -10° to +50° C (operating); -20° to +70° C (storage)
- **Humidity** 90%RH @ 40° C non-condensing, 36 hrs
- **Durable** 100 drops @ 30 cm to wood front and back, 1 m to concrete all faces, edges, corners
- **ESD** Air: ±10kV, Direct Contact: ±6kV
- **Water Protection** Rated IP67 enclosure

Electrical

- **Power** AC adaptor 5VDC-1A, Battery Pack Li-polymer 400mAh
- **Operating Voltage** 3.8V LiPo battery pack
- **Battery Capacity** 400mAh
- **Power Consumption** 0.62mA@3.8V (data connected), 0.25mA@3.8V (Ready Mode)

Physical

- **Buttons** SOS / Reset Button
- **Indicator light** Red/Blue/Violet LED for Multi function indication
- **Dimensions** 69 x 35 x 13.8 mm
- **Weight** 1.28 oz
- **Accessories** Charging Cradle, Belt Clip, Lanyard
- **TELUS Certifications** FCC, PTCRB/CTIA, TELUS, IC
- **Battery and Charger** UL2054 / UL60950-1, UL1642, IEEE 1725, P1965, UN38.3 Part3, IATA DGR 6.3.3, FCC Part 15B, ISED ICES-003