

# Smart Pet Locator

## Specification Sheet & Product Datasheet

This **Smart Pet Locator** is a versatile wearable device for pets that integrates **three core functions**: interactive engagement, real-time positioning, and activity monitoring.

Built with an ultra-low-power NB-IoT communication chip for extended battery life, the device connects via a dedicated mobile APP to deliver Bluetooth interaction, remote monitoring, and daily activity tracking. It supports precise indoor and outdoor positioning powered by GPS/BeiDou + WiFi technologies, running on China's three major telecom IoT platforms. Lightweight, waterproof, and easy to use — the ideal companion for every pet owner.



## 1. Technical Specifications

<b>Product Name</b>	Smart Pet Locator	<b>Model</b>	CH62
<b>Dimensions</b>	Compact & lightweight design (see product image)	<b>Net Weight</b>	Approx. 20+ g
<b>Material</b>	Premium PC + ABS (precision injection molding)	<b>Color Options</b>	Multiple interchangeable shells available
<b>Waterproof Rating</b>	IP65 (rain-resistant, sealed design)	<b>Dustproof</b>	Yes (IP65 enclosure)
<b>Connectivity</b>	NB-IoT (5G IoT), Bluetooth BLE	<b>SIM Card</b>	Built-in eSIM — No external SIM required
<b>Positioning Tech</b>	GPS / BeiDou / WiFi Tri-mode	<b>Positioning Accuracy</b>	Indoor & outdoor precise positioning
<b>Battery Type</b>	Built-in high-capacity rechargeable Li-polymer	<b>Battery Life</b>	Ultra-long standby (NB-IoT low-power)
<b>Charging Method</b>	Magnetic charging / USB (TBD)	<b>Low Battery Alert</b>	Yes — APP notification
<b>Sensors</b>	Motion sensor, light sensor	<b>Buzzer</b>	Built-in — ring & locate
<b>LED Indicator</b>	Yes — multi-color status & find-me light	<b>APP Compatibility</b>	iOS 10+ / Android 6.0+

<b>Positioning Platform</b>	China's 3 major telecom IoT platforms	<b>Patent</b>	National patent for positioning algorithm
<b>Dog Breed Coverage</b>	200+ breeds studied, algorithm optimized	<b>Suitable For</b>	Small, medium & large dogs
<b>Operating Temp.</b>	-10°C to +50°C	<b>Storage Temp.</b>	-20°C to +60°C
<b>Certifications</b>	CE, RoHS, FCC (pending)	<b>Warranty</b>	12 months

## 2. Key Features

<b>Real-Time Positioning</b>	GPS/BeiDou + WiFi tri-mode positioning delivers accurate indoor and outdoor location tracking. Historical trajectory auto-recorded and queryable anytime.
<b>Geofence (Safety Fence)</b>	Set a virtual safety perimeter. Instant APP alert when the pet crosses the boundary — prevent escapes before they happen.
<b>Wireless Electronic Leash</b>	10-meter virtual leash for outdoor adventures. Receive immediate notification when your dog wanders beyond range.
<b>Activity Monitoring</b>	Track daily exercise, energy expenditure, and sleep patterns. Algorithm calibrated across 200+ dog breeds for accurate wellness insights.
<b>Ring to Find</b>	Trigger sound and light remotely via APP to quickly locate your pet in low-visibility environments — also great for interactive play.
<b>Multi-Guardian Sharing</b>	Invite family members as co-guardians. Everyone stays connected and receives real-time updates on the pet's status.
<b>Electronic Dog Tag</b>	Digital ID displayed via APP — a modern replacement for traditional metal tags with richer information.
<b>Sleep &amp; Walk Reminder</b>	Smart reminder based on the dog's rest duration, prompting you when it's time for a walk — better health through better routines.
<b>Ultra-Long Battery Life</b>	Powered by 5G NB-IoT ultra-low-power communication technology with a high-capacity battery for extended standby.
<b>IP65 Waterproof</b>	Fully sealed PC+ABS enclosure — functional in rain and wet conditions without compromising performance.
<b>Smart Light Sensing</b>	Built-in ambient light sensor adjusts LED brightness and behavior based on surrounding lighting conditions.
<b>Interchangeable Shells</b>	Multiple stylish shell colors available. Easy swap design lets you customize your pet's look — fashion meets function.
<b>Instant Setup</b>	Scan QR code to install APP. Enter device ID to bind. No SIM card installation — ready to use right out of the box.
<b>Low Battery Alert</b>	Automatic low-power notification via APP ensures you never lose track of your pet due to a drained battery.

## 3. Application Scenarios



<b>Daily Home Life</b>	Monitor your pet's daily activity, sleep quality, and energy expenditure while at home. Set rest reminders to maintain healthy exercise routines. Use the ring function for interactive play sessions.
<b>Outdoor Walks &amp; Adventures</b>	The wireless electronic leash (10 m) alerts you when your dog strays too far during outdoor play. Real-time positioning ensures you always know where your pet is — even in parks, forests, or open fields.
<b>Pet Lost &amp; Recovery</b>	When a pet goes missing, the APP navigates you directly to the pet's real-time location. Historical trajectory helps trace the pet's movement path. The ring-and-find function uses sound and light to aid recovery in darkness or dense cover.
<b>Multi-Pet &amp; Multi-Owner Households</b>	Multiple family members can co-monitor the same pet. Manage several devices from one APP — ideal for multi-pet households or pet daycare facilities.
<b>Travel &amp; Relocation</b>	No SIM card swapping needed — the built-in eSIM connects automatically wherever there's NB-IoT coverage. Take your pet anywhere without worrying about network compatibility.
<b>Pet Daycare &amp; Boarding</b>	Geofence alerts let you know if your pet leaves the daycare facility. Share monitor access with caregivers temporarily for peace of mind while you're away.

## 4. Application Fields

<b>Pet Ownership (Individual)</b>	Primary application — smart wearable for pet dogs of all sizes. Enhances safety, health monitoring, and owner-pet interaction.
<b>Veterinary &amp; Pet Health</b>	Activity and sleep data assists veterinarians in assessing a pet's health trends and recovery progress.
<b>Pet Breeding &amp; Kennels</b>	Breeders can monitor multiple dogs simultaneously. Movement patterns help identify health issues early and optimize breeding programs.
<b>Pet Training Schools</b>	Trainers use activity tracking to measure training effectiveness. Geofence ensures dogs remain within training areas.
<b>Pet Insurance</b>	Activity logs and location history provide objective data for insurance risk assessment and claim verification.

## 5. Wearing Methods & Compatibility

The Smart Pet Locator is designed for **universal compatibility** with all standard dog collars and harnesses. Weighing just **20+ grams**, it is light enough for small breeds yet durable enough for large dogs.



**Collar Attachment** — The device clips securely onto any standard dog collar (width up to 25 mm). Simple snap-on design — no tools required. Suitable for flat collars, rolled collars, and martingale collars.

**Harness Mounting** — Attach to chest harnesses or back-clip harnesses. The lightweight design does not affect the dog's natural gait or comfort during walks.

**Quick-Release Design** — Easy to remove for charging or shell swapping. Secure latch mechanism prevents accidental detachment during vigorous activity.

**Interchangeable Shells** — Multiple color and pattern options available (sold separately). Pop off the outer shell and snap on a new one to match your pet's style or your mood.

## 6. Size & Breed Compatibility

<b>Small</b>	1 – 10 kg	Chihuahua, Pomeranian, Yorkshire Terrier, Toy Poodle, Dachshund	✓ Perfect fit — ultra-light design
<b>Medium</b>	10 – 25 kg	Shiba Inu, Corgi, Beagle, French Bulldog, Border Collie	✓ Ideal — balanced weight and size
<b>Large</b>	25 – 50 kg	Golden Retriever, Labrador, German Shepherd, Husky, Samoyed	✓ Recommended — rugged design
<b>Extra Large</b>	50+ kg	Alaskan Malamute, Great Dane, Tibetan Mastiff, Rottweiler	✓ Compatible — durable enclosure

## 7. Product Highlights at a Glance

●	<b>Ring &amp; Find</b>	Sound + light remote pet locating
●	<b>Tri-Mode GPS</b>	GPS + BeiDou + WiFi precise positioning
●	<b>APP Control</b>	Full-featured mobile app for iOS & Android
●	<b>Ultra-Long Standby</b>	NB-IoT low-power technology
●	<b>IP65 Waterproof</b>	Rain-ready sealed enclosure
●	<b>No SIM Needed</b>	Built-in eSIM, ready out of the box
●	<b>Geofence</b>	Customizable virtual safety perimeter
●	<b>Wireless Leash</b>	10 m virtual leash with instant alerts
●	<b>Multi-Guardian</b>	Share with family members
●	<b>Swap Shells</b>	Interchangeable colors & patterns

## Suzhou Shengxin Electronic Technology Co., Ltd

### Contact Us

### Professional Smart Pet Wearable Solutions

For inquiries, OEM/ODM partnerships, or distribution opportunities, please contact us.  
Product specifications are subject to change without notice. Images are for reference only.  
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