

Emotional Connection with Dogs
Health Monitoring Service

Petpuls

User Guide



Recognition of your pet's 'voice.'



Shows 5 types emotions and calories burned through graphs and charts.



Helps owners better manage their dogs' entire lifespan using big data.



This product has wireless internet connection capabilities.



Android



iOS



Customer Notice

- All intellectual property including, but not limited to, information on the device and in user manual, parts, software, inventions, patent copy rights, computer programs is owned by Petpuls Lab and protected by under federal laws, state laws, and international treaty provisions.
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- Disclaimer above shall be applied to the device and the buyer regardless of the return of the product.
- The user guide can be updated to complement the function.

Petpuls and its intellectual properties are owned by Petpuls Lab, patent registered in Korea as well as US, and protected by the intellectual property laws in Korea, US, and international treaties. Patent granted(or filed) Ips are as follows.

• Device to Detect/Recognize Emotional Status of Pet's	Korea patent: 10-1922132
• Methodology of Recognition for Pet's Emotional Status	Korea patent: 10-2018-01024** Patent Cooperation Treaty: PCT/KR2019/0051**
• TrademarkRegistration (Korea patent)	40-1555258(09 Type), 40-1531785(18 Type), 40-1555259(42 Type), 40-1531786(28 Type), 40-1555264(44 Type)
• Smart band for pet	Korea patent: 30-101456
• Wearable Device(Band) for pet's	Korea patent: 10-2019-00300*** Patent cooperation treaty: PCT/KR2019/0051**
• Connecting Band for Pet Wearable	Korea patent: 30-1038580

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Precautions and Preparation Before Getting Started

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- Be fully informed with all information regarding the device and its use since the device carries sensitive and essential information on dog's voice, health, and physical activities.

- Follow carefully the guidelines of device provisioning process with Wi-Fi.

- Be aware that battery will be fast discharged if device is on before Wi-Fi connection

- Do not touch the device or electric plug with water or do not handle the device with excessive force.

- Be aware that the connection speed may become slow if the device is far from the Wi-Fi router.

- Things to prepare before use: Internet, Wi-Fi(2.4GHz) router, and Password for Wi-Fi. The router's SSID and password is required to set up your device. (The SSID is the name of the wireless router your phone is connected to.)

Features

Petpuls is an IoT wearable device that detects the emotions of your pets using their voice, and uses activity sensing for battery physical care and emotional communication with your pets. In the case that the owner leaves for travel or work, Petpuls allows the owners to remotely monitor their pets by equipping them with Petpuls IoT smart collar. With the basic Principle that good emotional understanding of your pets leads to better care, this product was created through 3 years of extensive pet voice data collection and research.

- Measures Burned Calories Depending on Activity Level
- Expression of 5 Types of Emotional State Through Voice Data Analysis
- Movement/Sound Detection Notification Function (Smart Call)
- Danger Alter Push Alarm Function with Away/Together mode (ON/OFF)
- Petpuls Application Supports Android or IOS
- Wireless Internet Connection (Built-In Wi-Fi)
- Well-Fitting Strap Design (Detachable)
- Used Environment Friendly Silicon Material & Stylish Design

Functions

- Built in system for device internet connection
- Ability to register and view your pet's information
- Ability to view your pet's activity graph in hour/ week/month intervals
- Favorites feature
- Pet sharing feature
- Wireless internet connection
- Pet emotion evaluation through voice recognition

Specifications

Device+Strap Size (L×H×D)	Small: 16.3" × 1.38" × 0.70" Large: 30.5" × 1.38" × 0.70"	Weight	Main Device(25g) Including Strap(45g)
Target Pets	Small • Medium • Large Sized Dogs	Device Input Voltage	DC 5V 0.7A
Voice Recording	1 hour • day (max.)	Adaptor Input Voltage	AC 100 ~ 240V
TimeOptimal Function Temperature Range	0 ~ 50°C (Storage Temperature: -10 to 50°C)	App	Andriod Ver.(Over 9) IOS Ver. (Over 12)
Wireless LAN (Wi-Fi)	Supports IEEE802.11bgn	Water Resistance Rating	IP54

FCC • KC Certification Pending • ROHS • MSDS

Components

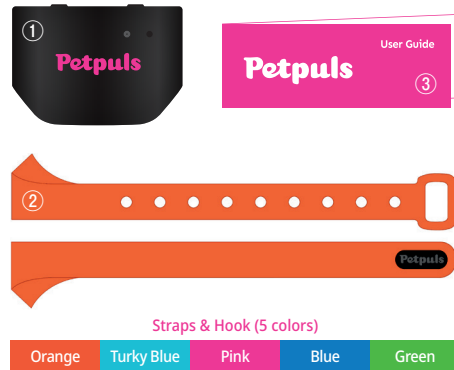


Product Composition

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- ① Main Device
- ② Straps & Hook
- ③ User Guide
- ④ Charge Cable

- Micro 5-Pin smartphone home charger recommended for charging adaptor.
- Charging adaptor can be purchased separately at a smartphone store.
- If you don't own a charging adaptor, device can be charged connected to a PC USB.



How to Use

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Powering ON and OFF

- To turn ON & OFF

Press and release the power button after 3 sec





Charging

- Rated Input: DC 5.0V 0.7A~1.2A
Micro 5-pin smartphone home charger recommended

LED Status Display (Power OFF: LED turns OFF)



	Status	Condition
Power ON	● Green ● Red LED light alternate flashing	Wi-Fi Connection Required
	○ White LED light ON then OFF	Wi-Fi Connection Status
	● Blue LED light flashing	Charging
	● Blue LED light ON	Fully Charged
Power Status	Press and release power button once	Power ON ● Yellow LED ON then OFF
	● Green LED light flashing	● Green LED flashing every 3 sec
Reset	Press and release reset button after 2 sec	● Green ● Red LED light alternate flashing

LED Details

LED Status	Network Connection Status	LED Activity	Details
	X	Red & Green alternate blinking	Ready to connect device and app (device not connected to charger.)
	X	Red & Blue alternate blinking	Ready to connect device and app (device connected to charger).
	0	Blue light on – not blinking	Charging complete.
	0	Blue light blinking	Charging in progress.

To check the battery status, unplug the device and check the status within the app according to your data transmission cycle.
Note: The device will not send data to the app or main server while plugged in.

LED Details

LED Status	Network Connection Status	LED Activity	Details
	X	Red & Green alternate blinking	<p>The app and device are not connected. Device is fully charged.</p> <p>Troubleshooting: Ensure the device is connected to 2.4GHz, not 5GHz, on your home network.</p> <p>Ensure the correct Wi-Fi password is used and start the 'Reset' process and try to connect them again.</p>
	X	Red light blinking	<p>Device out of network area for the connected home Wi-Fi area. The light will blink green when the device is located within the network area.</p>



X

Red blinking quickly

Device and app are improperly connected or connection has been disrupted.
Troubleshooting: Ensure the device is connected to 2.4GHz, not 5GHz, on your home network.
Ensure the correct Wi-Fi password is used and start the 'Reset' process and try to connect them again.



O

Green light blinking

Connection is successful.

Petpuls App Download and Instruction

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Petpuls App Download and Instruction

- For Android ver. (Over 9)

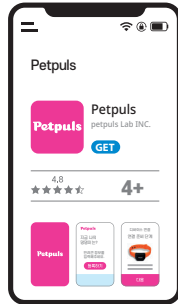


Search **Petpuls** in the Google Play Store and click download.

- For iOS ver. (Over 12)



Search **Petpuls** in the App Store and click download.



Connecting Your Device to a Wireless Router

Connecting your device to a wireless router only occurs once. If connection fails, try reconnecting your device. If you purchase a new router or change your password, be sure to reconnect your device.

Please refer to QR code video or Petpuls Web site(www.petpuls.net) to connect the device to a Wireless Router.

More details about function, please check FAQ from Petpuls application.



Android QR
SCAN ME



iOS QR
SCAN ME



Issues and Solutions

Issues	Solutions
No LED light after pressing the power button	- Charge the battery for at least one hour and press the power button for three seconds.
Reset is unsuccessful after press the reset button	- The reset process only works when the power is on. Confirm the device is powered on by pressing the power button and the LED light is flashing yellow, then hold the reset button for five seconds.
Activity/Emotion graphs are not updating	- Wait for a while and check back later. Activity information is periodically updated every 10 minutes.

Issues and Solutions

Issues

Solutions

Device is unable to connect to Wi-Fi

- Do not use a 5GHz Wi-Fi router. Ensure you are using a 2.4GHz router. You can check more information and details from the website-FAQ-WiFi Frequency or How to Check WiFi Frequency manual
- If your device cannot detect Wi-Fi or is unable to connect, bring the device closer to the Wi-Fi router and try again.
- If your device cannot detect Wi-Fi or is unable to connect, check your Wi-Fi password is correct and entered correctly (Your Wi-Fi Router should have a set password before connecting your device.)

App is unable to find your device number

- Check if your LED light alternately flashes. If not, press the reset button for five seconds and check the LED light again.

LED light alternately flashes
red and green after entering router
information and pressing "Next"

- The LED light alternately flashes when the incorrect router information has been added. Press the reset button for five seconds and try connecting the device again
 - If you still have a problem connecting the device to a router, please go to the page 12 then refer to the video from the QR code provided. Although you still face the connection problem, please send an email to support@petpuls.net with your issue.
-

Product Warranty

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- We Petpuls provide compensation for the device following the consumer damage compensation regulations shown below.
- If you cannot access the place of purchase or our agency in case of device damage, please receive help from a service center or a designated cooperative company.
- Compensation status and details will be resolved within 7 days of request date, and damage compensation will be resolved within 14 days of notification.

FREE SERVICE

- A device is only eligible for free service if the device is damaged within a year (warranty period) of purchase. However, if the product is used for business purposes, the warranty period is reduced by half.

PAID SERVICE

- When the device is not damaged
- When the device is damaged due to consumer negligence
- When the device is damaged due to natural disasters (fire, salt damage, flood)
- When consumable parts wear out (e.g. batteries, charging port and other attachments)

Warranty Card

• Free Service	Petpuls			• Model Name	RPL-0011
• Date of Purchase	MM	DD	YYYY	• Serial No.	
• Location of Purchase				• Price	
• Warranty Period	A year since date of purchase				

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