

**IUC-5200**  
**UltraSmart Express Fencing**  
Rechargeable In-ground Pet Fencing System  
(comes with Fastrak wire, lightning protector, and ZONES transmitter)

- Adapter:** 24v <400 mAmps AC Only  
Adapter is good if there is a light on the wall transmitter  
Connection is made inside the transmitter
- Alarm Volume:** Audible alarm volume can be adjusted by this dial  
(Minimum setting is low volume; it does not silence the alarm)
- Battery Backup:** Trans. has battery backup powered by 8 AA alkaline batteries (not incl.)  
When operating under backup power, there will be no light on transmitter  
and a tone will sound every 5 seconds. (Battery Backup Monitor must be ON.)  
Battery life = up to 40 hours
- Battery Backup Monitor:** Slide switch can be set to On or Off.  
Used to turn off alarm if backup batteries are not used.
- Charge:** A full charge takes 2-3 hours and lasts 1-3 months depending on  
use .Place collar on charge station for 2-3 hours  
(Collar fits in the cradle with the contacts facing down through the holes in  
the case. Innotek logo facing out).  
The collar's light will glow red when collar is properly seated and  
charging.  
The collar light will then turn green when charging is complete.
- Charge Reminder:** Is not used with this system
- Charging Station:** IUA-005 Ultra Collar Charging Station  
  
Plugs in wall outlet. Collar straddles charger, probes insert into wells.  
Spring-loaded pin must make contact with recessed point in receiver to  
insure proper charging.
- Collar:** Rechargeable Lithium Ion battery and waterproof  
Collar measures 1.25" wide X 2.75" long X 0.75 X thick and weighs 4.0  
oz with strap.  
Blue polyurethane strap (RK-22) Circumference ranges 8-24 inches.

Collar Lights and Tones:

Status Light	Tones	Condition
Pulsating Green	With Tone	Warning tone on Low or Med
Pulsating Red	Duration of the Stimulation	Stimulation being delivered (up to 10 secs)
Continuous Green	No Tone	Over stimulation warning; collar locked for 10 secs.
Blinking Green	No Tone	Collar battery 60% strength or more
Blinking Amber	No Tone	Collar battery 60-20% strength
Blinking Red	No Tone	Collar battery less than 20% strength; charge immediately
No light	No tone	Collar is completely discharged or Stimulation locked out <u>after</u> 3 cycles of stim/off (resets to blinking green when collar goes back into safe zone)
<b><i>After removing collar from charger</i></b>		
Continuous Red for 3 secs., give charge status light (see above) then blink amber	No Tone	Self-test/ReadyTest in progress, Passed Self-test
Continuous Red	With Tone ( 20 secs.)	Self-test failure; unit is not operational
<b><i>While on charger</i></b>		
Solid Red	No Tone	Charge in progress
Solid Green	No Tone	Charge complete
No light	No Tone	Charge failure/ collar not properly seated/or no power to outlet
<b><i>After charging collar (in PerfectFit mode)</i></b>		
Blinking Amber	No Tone	Collar is in PerfectFit mode for 90 secs. After charging
Blinking Green	Will Click; 5 consecutive clicks for confirmed fit.	PerfectFit mode indicates collar is making true contact with dog's skin

Frequency: 8.192 kHz

Field Size: Slide switch = Large Installations using 1000+ feet of wire  
 Slide switch = Small Installations using less than 1000 feet of wire

Field Width Adjustment: Dialed inside transmitter  
 Customer must test signal field after making any adjustments.  
 Field width may be reduced when operating on backup batteries

LP-4100-1: Included additional lightning protection  
**Transmitter is not covered for lightning or power surge unless LP-4100-1 is installed.**

- Mismatch: Will work with other Innotek containment components operating on 8.192 kHz  
It is also compatible with a ZONES transmitter. May need IUA-005 to charge collar if adding to existing system.
- Perfect Fit Remove collar from charging station. Collar light will glow for about 3 seconds. Do not touch the probes during this period. **Note:** light will glow red during self-test, and then go either Green/Amber/or Red, depending on battery strength.
- After about 5 seconds, collar light will begin to flash amber (in PerfectFit mode). Place collar on dog. When collar is properly fitted on dog, the light will start flashing green and 5 consecutive click tones will be emitted. Collar is now ready or use.
- Note:** fit test emits a slight stimulation pulse, almost imperceptible. It's less than one-quarter of a level 1 stimulation.
- To skip the PerfectFit test, either **1)** wait 90 seconds after removing from charger or **2)** touch to your skin for 5 clicks before putting on dog.
- Power: Slide switch can be set to On or Off
- Probes: Comes with Black plastic acorn nuts deliver no stimulation. Also comes with a set of short and long coated probes  
Short probes are .40 or 4/10 of an inch. Long probes are .60 or 6/10 of an inch  
Available in the RK-23
- Range: Powered for up to 25 acres
- Ready Test Place collar on charging station for 5 seconds  
Remove collar from charging station.  
Collar will glow red for 3 secs., then go to either Green/Amber/or Red depending on battery strength, then blink amber (goes into PerfectFit mode) if collar is good.  
**\*\*If collar light glows red for 20 seconds, repeat the ReadyTest.**  
If it continues to glow red, collar is bad
- Splices: Wire nuts placed in waterproof gel-filled capsules (RK-15 = 6 splice kit)
- Stimulation: Adjustable in transmitter with increase to the run-through as dog approaches the wire.  
Slide switch inside transmitter can be set to Low, Medium or High.  
The run-through prevention is more intense than High.  
Maximum stimulation is 10 seconds, off 10 seconds; maximum of 3 on-off cycles.
- Transmitter: weather resistant  
--uses 24 volt AC adapter

Transmitter Lights and Alarms:

Light	Alarm Tone	Condition
Solid Green	None	Power on / System ok
Flashing Red	Tone twice per second	Wire break or disconnect
Flashing Yellow	Tone once per second	Backup batteries low (Backup battery reminder switch must be ON.)
Flashing Red and Green	Three one-second reminder tones every minute	Receiver recharge reminder This is not used with this system. Turn reminder switch off.
No light	Tone once every 5 seconds	Power disconnected – operating on backup batteries.
No light	None	Transmitter is off or power is disconnected.

2200008-1: DVD - How to Use, 4 in 1

Warranty: Lightning Protector (**supplied** with system) has 1 year warranty.  
**Transmitter is not covered for lightning or power surge unless LP-4100-1 is installed**

Wire: Comes with 500 feet of 20 gauge wire for direct burial - green insulation  
Comes with 500 feet of Fastrak wire

Wire Terminals: Connection is made inside the transmitter

## IUC-5200 Containment Troubleshooting Tips

Dog does not "feel" stimulation:	Check collar tightness, Check probes Remove metal tags and collars Check charge on collar Verify that the transmitter is on Increase stimulation level Perform Ready test and Perfect Fit test
Dog runs through:	Check collar tightness, check probes, Perform Perfect Fit test, Increase stimulation level Increase field width More training is needed
Signal is intermittent:	Used non-waterproof connections in boundary wire Do test loop. If signal is consistent on test loop → Check for nick or scrape in wire insulation (RF Choke)
Dog afraid of yard:	Reduce stimulation level Restore dog's personality and try training at another time More training is needed
Stimulations in safe zone: (high range)	Decrease field width Change field size switch to SM Check for buried cables or metal in yard Move wall transmitter away from electrical appliances
Stimulations in house:	Remove the collar when dog is in house Move boundary wire farther from the house Move transmitter away from dog's indoor area
Transmitter is alarming:	Check status panel inside transmitter lid
Broken wire alarm:	Check for damaged wires outside entry to house Perform Test Loop / RF Choke
No light on transmitter:	Check adapter is plugged in properly Check outlet See if GFCI outlet was tripped Check voltage of adapter; should be > 24 volts AC
Field width is low:	Increase field width Change yard size to LG Check for damaged wires Check for mixture of gauges in containment wire Perform Test Loop

Collar not taking a charge:

If collar does not glow red when on charging station check the following:

- Collar is properly seated on charging station

- Outlet has power

- Charging port on collar is clean

- There is no coating on probe tips

- Collar strap is not pushing receiver up off charging station

If the collar still does not glow red, the charging station is bad.

If the collar does glow red when on charging station, then goes out after removing without performing ReadyTest, the collar is bad.

## Using Collar with ZONES Transmitter

1. Set up the ZONE (transmitter):      Insert 3 AA 1.5v Batteries
2. Set the range:                      Start with the ZONE and in desired mode.  
Press the UP or DOWN arrow to change the range.→ each segment represents 2 feet diameter of range.

### **\*\*If customer has two collars and requires two different zone areas**

Changing the mode:                      Start with the ZONE (transmitter) turned off.  
Press and hold the DOWN arrow → bar next to current mode will appear.  
Press and release the UP arrow until bar appears next to desired mode ( A or B)  
Release the DOWN arrow.  
The ZONE is now set to the new mode.

**\*\*\*NOTE: Zone must be in either A OR B mode to synchronize receiver.**

Synchronize:                              Start with the ZONE (transmitter) turned off.  
Place the collar within 2 feet of ZONE  
Press and hold the DOWN arrow → vertical bar next to current mode will appear.  
Press and hold the UP arrow until one bar appears→ collar will beep 3 times.  
Release both arrows  
Collar is now set to this new mode.

**\*\*\*\*NOTE: These steps will reprogram any collar turned on, and within 10 feet of ZONE**

Transmitter Batteries:    (3) AA 1.5v Batteries

Battery Life:                              Approximately 3 months, with normal use.

Transmitter:                      ZND-1000 / M024901 Battery replaceable, water-resistant.

Transmitter Indicator:    Each Segment in the window represents approximately two feet of diameter.

Range:                                      Adjustable with a maximum radius of 6 feet. (12ft diameter)  
Signal emits from all sides of transmitter, in a spherical pattern.  
Signal may transmit through a wall. Signal may be affected by metal objects.

Stimulation:                      Preset in ZONE with an increase as dog approaches the Zone.  
The over stimulation feature will engage when the unit outputs an uninterrupted stimulation of 15 sec. Once engaged, the unit will provide a single activation every 5-10 seconds at random intervals. Removal of the receiver from the ZONE signal field for 1-2 seconds shall reset the unit allowing the unit to operate normally

## ZONES TROUBLE SHOOTING

Dog Goes Near Transmitter:	Check charge on collar, perform ready test Check segment indicator on transmitter Check / replace batteries in transmitter Use a test light to check the collar for stimulation Increase zone size on transmitter Check collar fit, Perform Perfect fit test. Check mode on transmitter and resynchronize collar
Collar does not Respond to Zone	Perform ready test Check mode on transmitter and resynchronize collar If collar functions normally in containment, Zone transmitter is defective.
No Segments on Transmitter:	Check / replace batteries in transmitter Press the arrow-shaped button that points upward
Range is Low:	Check / charge collar Check / change the transmitter batteries Adjust the transmitter to increase zone size
Range is High:	Adjust the transmitter decrease zone size Check for metal objects close by.
No Stimulation:	Check / charge collar , perform ready test Use a test light to check for stimulation Check the Zone setting on transmitter