

Pearl SN-1420I

Pearl SN-1420I I-Type 20-Strand Ultra Sound Snare Wire Instruction Manual

Model: SN-1420I

1. PRODUCT OVERVIEW

The Pearl SN-1420I I-Type Ultra Sound Snare Wire is designed for 14-inch snare drums. This 20-strand snare wire features U.S. patented graduated tension wires, providing enhanced sensitivity and response. It is constructed from durable alloy steel, ensuring reliable performance and longevity.

- **Model:** SN-1420I
- **Type:** I-Type Ultra Sound
- **Strands:** 20-strand
- **Compatibility:** 14-inch snare drums
- **Material:** Alloy Steel
- **Features:** U.S. patented graduated tension wires



Figure 1: Pearl SN-1420I I-Type 20-Strand Ultra Sound Snare Wire. This image shows the snare wire with its characteristic I-type end plates and 20 strands of steel wire.

2. SETUP AND INSTALLATION

Proper installation of the snare wire is crucial for optimal sound and performance. The SN-1420I is designed for 14-inch snare drums and includes options for both plastic straps and threads for attachment.

2.1 Required Tools

- Drum key
- Small screwdriver (if using screws for attachment)
- Pliers (optional, for cutting excess strap/thread)

2.2 Installation Steps

1. **Remove Old Snare Wire:** If replacing an existing snare wire, loosen the tension on the snare strainer and butt plate. Detach the old snare wire from both the strainer and butt plate.
2. **Prepare New Snare Wire:** The SN-1420I comes with both plastic straps and threads. Choose the attachment method that best suits your snare drum's strainer and butt plate.
3. **Attach to Butt Plate:** Secure one end of the snare wire to the butt plate of your snare drum. Ensure the snare wire is centered and lies flat against the resonant head.
4. **Attach to Snare Strainer:** Extend the snare wire across the resonant head to the snare strainer. Secure the other end of the snare wire to the strainer mechanism. Make sure the snare wire is taut but not overly tight at this stage.
5. **Center and Align:** Visually inspect the snare wire to ensure it is perfectly centered on the resonant head and that all strands are evenly spaced and making contact.
6. **Initial Tensioning:** Engage the snare strainer. Gradually increase the tension using the adjustment knob on the strainer. Turn the drum over and tap the resonant head to listen for the snare sound. Adjust tension until the snare wires respond crisply without choking the drum's resonance.

7. **Fine-Tuning:** Continue to fine-tune the tension. The goal is a responsive snare sound that is neither too loose (buzzing) nor too tight (choked). Experiment with slight adjustments to find the optimal sound for your playing style.

Note: The SN-1420I features graduated tension wires, which are designed to provide even contact and response across the drum head. Ensure these wires are making consistent contact for the best sound.

3. OPERATING AND USAGE

Once installed, the Pearl SN-1420I snare wire requires minimal "operation" beyond proper tension adjustment. The primary aspect of using this snare wire effectively is understanding how its tension affects the drum's sound.

3.1 Adjusting Snare Wire Tension

- **Tight Tension:** A tighter snare wire tension will result in a more articulate, "crisp" snare sound with less sustain. This can be desirable for precise, fast drumming.
- **Loose Tension:** A looser snare wire tension will produce a "fatter," more resonant snare sound with increased sustain and a slight buzz. This can be suitable for certain musical styles or for a more open sound.
- **Graduated Tension Wires:** The SN-1420I's patented graduated tension wires are designed to maintain consistent contact and response across the drum head, regardless of overall tension. This allows for a wide range of expressive sounds.

Experiment with the snare strainer's adjustment knob to find the ideal tension for your desired sound. Remember that snare wire tension interacts with the tuning of both the batter and resonant heads.

4. MAINTENANCE

To ensure the longevity and consistent performance of your Pearl SN-1420I snare wire, follow these maintenance guidelines:

- **Regular Inspection:** Periodically inspect the snare wires for any signs of bending, kinking, or damage to individual strands. Check the end plates for secure attachment.
- **Cleaning:** If dust or debris accumulates on the snare wires, gently wipe them with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners, as these can damage the steel.
- **Storage:** When not in use for extended periods, store your snare drum in a drum case to protect the snare wires from physical damage and environmental factors.
- **Avoid Excessive Tension:** While the snare wires are durable, excessive and prolonged tension beyond what is necessary for sound can potentially lead to premature wear or bending.

5. TROUBLESHOOTING

Here are some common issues you might encounter with snare wires and their potential solutions:

Problem	Possible Cause	Solution
Snare Buzzes Excessively	Snare wires too loose Resonant head too loose Snare wires not centered Snare bed issues	Increase snare wire tension slightly. Tighten the resonant (bottom) drum head. Re-center the snare wires on the drum head. Consult a drum technician if snare bed is damaged.

Problem	Possible Cause	Solution
Choked or Dead Snare Sound	Snare wires too tight Resonant head too tight	Decrease snare wire tension slightly. Loosen the resonant (bottom) drum head.
Uneven Snare Response	Snare wires not flat or bent Uneven tension across strands Improper seating on snare bed	Inspect snare wires for damage; replace if bent. Ensure even tension during installation. Re-install snare wires, ensuring they sit flush.
Snare Wires Appear Bent or Warped	Manufacturing defect Physical damage during handling or use	If new and bent, contact your retailer for a replacement. Handle with care to prevent bending.

6. SPECIFICATIONS

Feature	Detail
Model Number	SN-1420I
Type	I-Type Ultra Sound
Strand Count	20-strand
Drum Size Compatibility	14-inch snare drums
Material	Alloy Steel
Included Components	SN-1420I Snare Wire, attachment cords/straps
Special Features	U.S. patented graduated tension wires
Item Weight	2.96 ounces (approx. 84 grams)
Product Dimensions (L x W x H)	5.91 x 5.91 x 5.91 inches (approx. 15 x 15 x 15 cm)

7. WARRANTY AND SUPPORT

For specific warranty information regarding your Pearl SN-1420I I-Type Ultra Sound Snare Wire, please refer to the documentation provided with your purchase or visit the official Pearl website. Warranty terms and conditions may vary by region and retailer.

For technical support, product inquiries, or to locate authorized service centers, please contact Pearl customer service directly or visit their official website:

Pearl Official Website: www.pearldrum.com

Note: Protection plans offered by retailers are separate from the manufacturer's warranty and should be reviewed independently.