

HILTI 2106072

Hilti PRA 20G Laser Receiver User Manual

Model: 2106072

1. INTRODUCTION

The Hilti PRA 20G is a robust laser receiver designed for precise detection of green laser beams emitted by compatible Hilti rotating lasers. It enhances accuracy and efficiency in various construction and leveling applications, both indoors and outdoors. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your PRA 20G laser receiver.

2. SAFETY INFORMATION

Always read and understand all safety instructions before operating the device. Failure to follow these instructions may result in injury or damage to the device.

- Keep the device away from water and moisture.
- Do not attempt to modify or repair the device yourself. Refer all servicing to authorized Hilti service centers.
- Use only specified batteries.
- Store the device in a dry, secure place when not in use.

3. PRODUCT OVERVIEW

Familiarize yourself with the components of the Hilti PRA 20G laser receiver:



Figure 1: Front view of the Hilti PRA 20G Laser Receiver. The image displays the red and black casing, the large digital display showing measurement units (e.g., 2 1/8 in), a battery indicator, and a 'PULSE POWER' label. Below the display are three buttons: a speaker icon for audio feedback, two triangles pointing up and down for fine adjustment, and a circular power button with an 'I' symbol. A small bubble level is visible at the bottom right.

1. **Laser Reception Window:** Area where the laser beam is detected.
2. **Digital Display:** Shows measurement readings, battery status, and other indicators.
3. **Audio Feedback Button:** Toggles audible signals for beam detection.
4. **Fine Adjustment Buttons:** Used for precise alignment with the laser plane.
5. **Power Button:** Turns the device on and off.
6. **Bubble Level:** Assists in vertical alignment of the receiver.

4. SETUP

4.1 Battery Installation

The PRA 20G requires two AA batteries (not included). Open the battery compartment cover on the back of the receiver. Insert the batteries according to the polarity markings (+/-). Close the cover securely.

4.2 Mounting the Receiver

The PRA 20G can be mounted on a measuring staff or tripod using the integrated clamp. Ensure the receiver is securely fastened and vertically aligned using the bubble level for accurate readings.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press the **Power Button** (circular button with 'I' symbol) to turn the receiver on. Press and hold the same button for approximately 2 seconds to turn it off.

5.2 Detecting the Laser Beam

Once powered on, position the receiver so that the laser reception window faces the rotating laser. Move the receiver up or down until the arrow indicators on the digital display converge to a solid line, indicating the exact laser plane. The display will show the offset from the laser plane.

5.3 Audio Feedback

Press the **Audio Feedback Button** (speaker icon) to enable or disable audible signals. A continuous tone indicates the receiver is precisely on the laser plane, while intermittent tones indicate it is above or below.

5.4 Fine Adjustment

Use the **Fine Adjustment Buttons** (up/down triangles) to precisely align the receiver with the laser plane, especially when working with a measuring staff.

6. MAINTENANCE

- Clean the device regularly with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Keep the laser reception window clean and free from dust or debris.
- Remove batteries if the device will not be used for an extended period to prevent leakage.
- Store the device in its original case or a protective bag to prevent damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Receiver does not power on.	Dead or incorrectly installed batteries.	Check battery polarity; replace batteries.
No laser detection.	Receiver not facing laser; laser not powered on; too far from laser.	Ensure receiver faces laser; check laser power; move closer to laser.
Inaccurate readings.	Dirty reception window; receiver not level.	Clean reception window; use bubble level for proper alignment.

8. SPECIFICATIONS

Feature	Detail
Brand	HILTI
Model Number	2106072
Material	Metal, Plastic
Color	Red
Style	Laser
Item Weight	1 Pounds
Operation Mode	Automatic
Package Dimensions	9.45 x 6.5 x 2.05 inches
Batteries Required	No
Manufacturer	Hilti
Is Discontinued By Manufacturer	No
Item Package Quantity	1
Date First Available	November 7, 2016

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official Hilti website or contact Hilti customer service directly. Keep your purchase receipt for warranty claims.