

## Loaner Setup Procedure

### Introduction

This Installation Procedure is used when installing and setting up a loaner ClearChart or ClearChart<sup>2</sup>.

### Precautions

Reichert Ophthalmic Instruments is not responsible for the safety and reliability of this instrument when assembly, disassembly, repair or modification is made by unauthorized dealers or persons.

**CAUTION:** ANY REPAIR OR SERVICE ON THIS INSTRUMENT MUST BE PERFORMED BY AUTHORIZED REICHERT OPHTHALMIC INSTRUMENTS DEALERS SO THAT CORRECT OPERATION AND RELIABILITY IS MAINTAINED.

**CAUTION:** DO NOT USE SOLVENTS OR STRONG CLEANING SOLUTIONS ON ANY PART OF THIS INSTRUMENT OR DAMAGE TO ITS PARTS WILL OCCUR.

### ClearChart Installation

Perform the following steps:

1. Mount the ClearChart or ClearChart<sup>2</sup> on the existing Mounting Bracket.
2. Apply input power as indicated on the data plate.
3. Press the ON/OFF switch located on the side of the instrument. The unit will boot-up.
4. When the ClearChart welcome screen appears, press the MENU button on the remote to enter the configuration mode.
5. Go through the following paragraphs in order and enter the correct settings:

**Note:** Use the UP and DOWN arrows to navigate through different options.

#### ROOM

Using the LEFT/RIGHT arrows on your remote, select DIRECT THROW or MIRRORRED based on the configuration of your office. When you are finished, press the DOWN arrow.

#### UNITS

Using the LEFT/RIGHT arrows on your remote, select METRIC or ENGLISH units based on which units you use to measure your refraction distance. When you are finished, press the DOWN arrow.

#### ACUITY NOTATION

Using the LEFT/RIGHT arrows on your remote, select SNELLEN, METRIC, or DECIMAL for your acuity notation. When you are finished, press the DOWN arrow.

#### DISTANCE

Use the MAX and MIN buttons to adjust the testing distance from the patient's eye to the screen. The units are either inches or centimeters depending on whether you chose ENGLISH or METRIC earlier in the setup procedure. When you are finished, press the DOWN arrow.

**Note:** If MIRRORRED was selected in the ROOM setup category entered above, then two distances will be required. First enter the distance from the patient to the mirror, then enter the distance from the mirror to the screen. Press the DOWN arrow after each distance is entered. Refer to Figures SB-1 and SB-2.

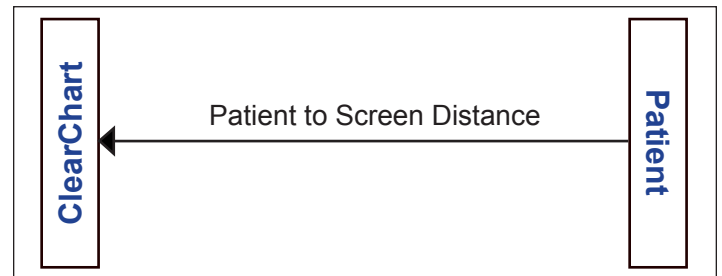


Figure SB-1 Direct Throw

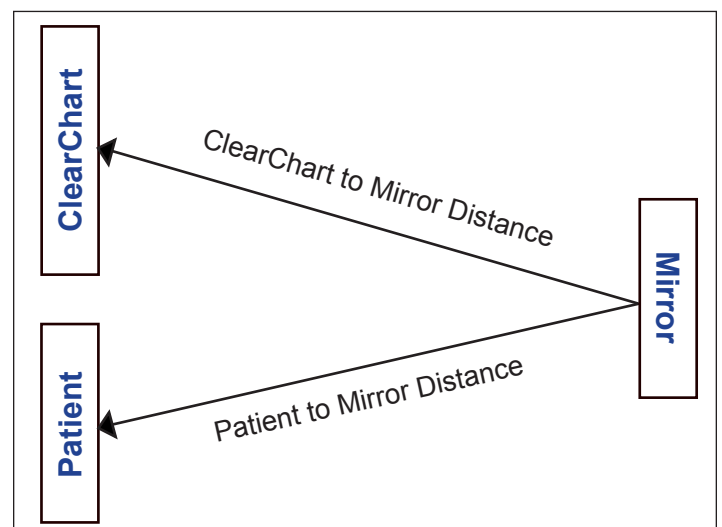


Figure SB-2 Mirror Set Up

## OPTOTYPES

Using the LEFT/RIGHT arrows on your remote, select the default optotype you would like the ClearChart2 to display when first started.

**Note:** You will be able to access any optotype while using the ClearChart2. When you are finished, press the DOWN arrow.

## ALTERNATE OPTOTYPES

Using the LEFT/RIGHT arrows on your remote, select the alternate optotype you would like the ClearChart2 to display when you press ALT OPT on your remote. When you are finished, press the DOWN arrow.

## LINE PRESENTATION

Using the LEFT/RIGHT arrows on your remote, select the default line presentation you would like the ClearChart2 to display.

**Note:** You will be able to access any line presentation while using the ClearChart2. When you are finished, press the DOWN arrow.

## PROGRESSION

Using the LEFT/RIGHT arrows on your remote, select standard or logmar for the default size progression you would like the ClearChart2 to display. When you are finished, press the DOWN arrow.

**Note:** You will be able to change size progression while using the ClearChart2.

## DISPLAY OPTOTYPE SIZE

Using the LEFT/RIGHT arrows on your remote, select whether or not you would like the optotype size displayed on the screen at all times. When you are finished, press the DOWN arrow.

## MAXIMUM PER LINE

Using the LEFT/RIGHT arrows on your remote, select the maximum number of characters you would like displayed on any line. When you are finished, press DOWN arrow.

## RED/GREEN ADJUST (For ClearChart2 only.)

This will adjust the Red/Green optotype fillers and suppression letters. Using the LEFT/RIGHT arrows on the remote, select recalibrate or factory default. If you choose to recalibrate your red/green settings, press the DOWN button to enter adjustment mode. To adjust red (R) use the MIN and MAX buttons to acquire proper tone. Press the RIGHT arrow key four (4) times to get to green adjust. Use MIN and MAX to adjust green to desired tone. Next press the DOWN arrow to enable adjustment of the red tone for the suppression letters. MIN and MAX buttons will again change the color tone. Press the RIGHT arrow button four (4) times to adjust the green tone for the suppression letters. Use MIN and MAX buttons to adjust the color. Press the DOWN arrow to re-enter the initial red/green setup screen. Using the RIGHT/LEFT arrows, move back to the no change option, then press the DOWN arrow to leave the red/green menu selection.

## SCREEN SAVER

Use the MIN and MAX buttons to set the length of time of non-activity you would like to elapse before the screen saver starts. When you are finished, press the DOWN arrow. ClearChart2 will initialize and then display your default optotype with your default line configuration and is ready for use.

## Optotype Sizing Verification

Optotype sizes should be displayed at the correct size if the distances in Figures SB-1 or SB-2 were entered correctly. The following formula may be used for verification of letter size:

$$\text{LH (inches or mm)} = \text{RD (inches or mm)} \times .014545$$

- LH - Letter Height - The height of a 20/200 character should be equal to the refraction distance times .014545 (the tangent of 50 minutes of arc.)
- RD - Refraction Distance - This is equal to the distance from the patient's eye to the ClearChart.

**Note:** When using a mirror, as in Figure SB-2, the RD is the total distance (from the patient's eye to the mirror, plus the distance from the mirror to the ClearChart.)



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