Righton

RVII Quick Reference

Operation by Remote Control (RC)

Please refer to RVII Instruction Manual for details.

RVII R3 ver.2

Examination Basic Flow

Basic Flow

1. Start up and system initialization
2. Data transfer
   - 2.1 AUTOREF Data
   - 2.2 LM Data
3. PD and forehead rest adjustment
4. Exam
   - 4.1 Preset program
   - 4.2 Individual Exam.
5. Data comparison
6. Print and/or data to PC

Setting Menu

Main Menu

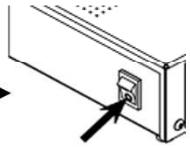
- Simple Setting
- Eye Exam Program Edit
- Factory Default
- Initial Setting
- Back to previous

1. Start up and System Initialization

L40P

RG24RT

turn on the chart instruments



turn on the RVII power box

To initialize RVII system

- auto initialized as turn on power, or
- manual initialization press AC twice, or
- changed communication setting and saved

AC

Plano Exam - VA Check

Press Plano → Plano

Press R, L or R&L → R L R&L

Press ▲▼ to check highest VA → VA

SET IN

Press SET → SET

Blinking for set

Press R,L,S,C,A to set the value → BACK R SET L NEXT; S C A

Press SET IN, to set the lens → SET

Press OFF to cancel SET IN

SET IN function is equipped after ver.3.02.01.

2.1 Data Input/Transfer from Autoref

Selectable receiving 1 or 10 data in setting menu “Communication Setting 2”

To transfer data, press/touch

- Speedy K2 - touch screen: SEND
- Speedy i/iK - press: PRINT
- Retinomax - press: PRINT

Dot matrix LED indicates Data receive

To receive data press REF

After press REF, if selected receiving 1 data, Autoref data is set

After press REF, if selected receiving 10 data, select data number in dot screen → Press NEXT or BACK to select → BACK NEXT → Press SET → SET

AUTOREF or LM data transferred first will be copied in SBJ1

2.2 Data Input/Transfer from Lens Meter

Selectable receiving 1 or 10 data in setting menu “Communication Setting 2”

to trasnfer data, press Com of LM screen

select COM by setting menu if LINK indicated on LM screen

Dot matrix LED indicates Data receive

To receive data press LM

After press LM, if selected receiving 1 data, Autoref data is set

After press LM, if selected receiving 10 data, select data number in dot screen → Press NEXT or BACK to select → BACK NEXT → Press SET → SET

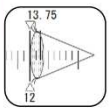
AUTOREF or LM data transferred first will be copied in SBJ1

3. PD and Forehead Rest Adjustment

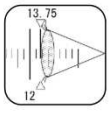
press SBJ1 if in other status → SBJ1

press PD → PD

turn dial and set the corneal vertex distance



VD:12mm



VD:13.75mm

turn jog dial for PD adjust

To adjust split PD

press R or L → R L

turn jog dial for PD adjust

press OFF to exit PD → OFF

4.1 Preset Program EXAM.

press SBJ1 → SBJ1

press Prog → Prog

to start, status should be SBJ1 or SBJ2

select program on control box screen, then touch SET for start → SET

BACK NEXT

press BACK return to previous

press NEXT for next step

turn jog dial for adjust

program finish if "End Program" indicated on screen of CB

refer to Leaflet "Program Examination" for details

After change of chart instrument, in the program menu screen, touch RESET to show SET and EDIT

Selectable preset programs

Program	NP3S	Pola	RG
Prog1(editable)	Yes	Yes	Yes
Prog2(editable)	Yes	Yes	Yes
Speedy	Yes	Yes	Yes
21point	No	No	No
MCH	No	No	No

4.2.1 Astigmatism EXAM.

press SBJ1 for exam SBJ1

R / L → Press R or L → S → press S → Letter 0.5–0.7 → press VA chart key Example 0.5 (40/20) → turn jog dial to +2.0 or else for fogging → press chart key and show astigmatism chart → turn jog dial to - until a line look most clear → A → press A, ask "any line look sharper than others?" → turn jog dial to the axis (line number of most clear look x 30 degree) → C → press C → turn jog dial to - 0.25 until every lines look equally sharp

4.2.2 Red Green Test

press SBJ1 for exam SBJ1

R / L → Press R or L → S → press S → press Red Green chart KEY, to show R/G chart → ask which looks clearer → turn jog dial to the 1 step to the color of answer → Ask again → turn the same way, and continue the both color look in the same level ↔

4.2.3 Cross Cylinder – Auto / Manual

press SBJ1 for exam SBJ1

R / L → Press R or L → press chart key and show the cross dot chart

Show this chart

Auto XC: Auto → Press AUTO → A For Axis or C For Power → press A or C → turn jog dial to the same color direction (Not by right or left)

patient answers
- right/left from patient
- up/down
- right up/left down
- right down/left up

→ OFF

Manual XC: 1 2 → press 1 & 2, ask patient which chart is clearer → Press A or C → A For Axis or C For Power → turn toward the number of answer; patient sees better → OFF

4.2.4 Extra Cross Cylinder (EXC)

Extra Cross Cylinder (EXC) is for: when the result of Cyl was 0 or use ref data, but considered need to check residual astigmatism, proceed EXC.

press SBJ1 for exam SBJ1

R / L → Press R or L → e.g. 1.0(40/20) Letter 0.8–1.0 show VA chart → EXC → press EXC →

By turning jog dial to +, cylinder lens moves:
0⇔EXC180⇔0⇔EXC90⇔0⇔EXC45⇔0⇔EXC135⇔0 → OFF

step1 step2 step3 step4

Ask patient which is clearer "0" or next "EXC" follow from step 1 to 4.

If "0" is clearer, proceed to turn jog dial +.
If "EXC" is clearer, press C (default 1.0D).
If "0" and "EXC" look same, press A (default 0.5D)

4.2.5 Near Point Test

set the rod and the near point chart. → select the cross-grid chart of the near point chart → R&L → press → ADD → press → ±0.5 → select auxiliary lens for both right and left → ask patient which lines look clearer → horizontal lines: turn to + vertical lines: turn to - make both lines equally clear → OFF → press OFF to exit converge

5. Data Comparison

press one of the button, which make blinking, to show the data

Plano LM REF SBJ1 SBJ2 F/N

measured data in SBJ1 copy to SBJ2 for adjustment

6. Printout/Data to PC/Data Clear

PRT — Press for print all the data. Data remains after printing.

Available by setting: PRINT/PC/ PRINT+PC

Clear — Clear the indicated data only (Remote control)