



Function Bar
Press **ENTER** to display primary Function Bar (as shown here)
Use trackpad to highlight function then **ENTER** to select
Ellipses (...) after the text indicate further options available by highlighting then pressing **ENTER**

POWER
Press and hold until unit beeps to turn on display
Press once to adjust lighting & contrast.
Press and hold for 3 seconds to turn off display

Trackpad
Controls cursor position on screen and highlights functions

ENTER
Confirms selection and (if appropriate) clears current functions. It either performs the selected task and accepts changes, or confirms selection of more options

RANGE
Adjusts chart scale
- Press top of key to increase the chart range
- Press bottom of key to decrease the chart range
- Press and hold to change the scale rapidly

CLEAR
Cancels operation in progress and returns to previous display
Deletes a highlighted item

PAGE - selects setup options and display mode.
Press to display Setup Function Bar and use horizontal trackpad movements to highlight required option. Press **ENTER** to select
Press **PAGE** again repeatedly to cycle through display modes

SYSTEM SET UP
Use horizontal trackpad movements to highlight **SYSTEM SET UP**
Press **ENTER** to select

Use vertical trackpad movements to select parameter
Use horizontal trackpad movements to change setting
Press **ENTER** to implement change

CHART SET UP
Use horizontal trackpad movements to highlight **CHART SET UP**
Press **ENTER** to select

Use vertical trackpad movements to select parameter
Use horizontal trackpad movements to change setting
Press **ENTER** to implement change

TRACK SET UP
Use horizontal trackpad movements to highlight **TRACK SET UP**
Press **ENTER** to select

Use vertical trackpad movements to select **INTERVAL**
Use horizontal trackpad movements to change setting
Press **ENTER** to save value
Use horizontal trackpad movements to highlight **TRACK OFF**
Press **ENTER** to start track - text indicates **TRACK ON**

SMARTROUTE
To convert a track to a route, select **MAKE INTO ROUTE**
Press **ENTER** to convert to a (reversed) route

GPS SET UP and Status
Use horizontal trackpad movements to highlight **GPS SET UP**
Press **ENTER** to display the GPS Status page
Press **ENTER** to display the Differential GPS set Up page (RC4200)
Use vertical trackpad movements to select parameter
Use horizontal trackpad movements to change setting
Press **ENTER** to implement change

GOTO WAYPOINT
Press **GOTO** to display Function Bar
Select **GOTO WAYPOINT** function to display Waypoint List

WAYPOINT LIST	
SYMBOL	NAME
⚓	WAYPOINT 001
✖	WAYPOINT 002
✖	WAYPOINT 003
✖	WAYPOINT 004
✖	WAYPOINT 005
POSITION	
BRG	50°21.986' N
	001°20.988' W
RNG 21.0NM	
DATE	TIME

Use trackpad to highlight required waypoint
GOTO **TRACKPAD SELECTS LEFT**, **"ENTER"** **WAYPOINT** **STARTS GOTO**, **"CLEAR"** **TO QUIT**
Press **ENTER** to implement **GOTO WAYPOINT** function

GOTO CURSOR
Press **GOTO** to display Function Bar
Select **GOTO CURSOR** function

GOTO **CURSOR** **MOVE CURSOR**, **"ENTER"** **TO START GOTO CURSOR**, **"CLEAR"** **TO QUIT**
Press **ENTER** to place a temporary waypoint and start the **GOTO**

GOTO PORT
Press **GOTO** to display Function Bar
Select **GOTO PORT** function

GOTO **PORT** **TRACKPAD SELECTS PORT**, **"ENTER"** **STARTS GOTO**, **"CLEAR"** **TO QUIT**
- The Port List is displayed
Use trackpad to highlight required port
Press **ENTER** to start the **GOTO**

To stop a GOTO
Press **GOTO** to display Function Bar (or move cursor over any waypoint in the current route)
STOP GOTO **or** **STOP FOLLOW**
Select **STOP GOTO** or **STOP FOLLOW** (as appropriate)
Press **ENTER** to stop the **GOTO**
- The dotted line from your vessel to the target disappears

Man Overboard (MOB)
Press and hold **GOTO** for at least two seconds
- Waypoint 0999 is created and marked with MOB symbol
- Status Bar shows bearing and range to the MOB position, elapsed time since initiated and Course Over Ground data

Quick Reference Card - RayChart 420/420D Chartplotter



Chart Display

Chart Range **128 nm** CSR 48°30.367' N BRG 231°T POS 1°35.636' W RNG 40.91nm Status Bar

Chart Boundary - Indicates further detail is available inside. Shown when using Navionics[®] Microchart card.

Waypoint - X

Primary Function Bar
 Press ENTER to display
 Press CLEAR to remove

Buttons: FIND SHIP, ROUTES, WAYPOINTS

Vessel's Position - Cursor



Waypoint List

Press ENTER to display Primary Function Bar
 Select WAYPOINTS
 Select WAYPOINT LIST

128 nm CSR 48°30.367' N BRG 231°T POS 1°35.636' W RNG 40.91nm

TEIGNMOUTH	EXETER	WAYPOINT LIST	ISLE 0
ENPORT	RYMOUTH	SYMBOL	NAME
X	X	MPT 001	
X	X	MPT 002	
X	X	MPT 003	
X	X	MPT 004	
X	X	MPT 005	

POSITION 50°21.966' N
 BRG 186° T RNG 21.0 nm
 DATE 13/10/99 TIME 15:30

Buttons: GOTO WAYPOINT, EDIT WAYPOINT, MAKE NEW WAYPOINT, MPT/ROUTE

Route List

Press ENTER to display Primary Function Bar
 Select ROUTES, then select MORE and press ENTER
 Select ROUTE LIST and press ENTER

128 nm CSR 48°30.367' N BRG 231°T POS 1°35.636' W RNG 40.91nm

TEIGNMOUTH	EXMOUTH	ISLE 0	ROUTE LIST
ENPORT	RYMOUTH	SAL	ROUTE 01
-	-	-	1 ROUTE 01
-	-	-	2 -
-	-	-	3 -
-	-	-	4 -
-	-	-	5 -

Buttons: SHOW ROUTE, ERASE ROUTE, NAME

Display Modes

From Chart Display
 Press PAGE to display Set Up functions

Press PAGE to return to Set Up functions

Press PAGE to display CDI

Press PAGE to display BDI

Press PAGE to display Time/Date information

Press PAGE to display Navigation Data

Press PAGE to display Waypoint Data

Note: In any display mode press GOTO to return to chart display

SUNRISE	06:23	TODAY
SUNSET	21:34	
AT POSITION (USER SELECTED)		
TIME	12:34	
DATE	26/01/99	
50°45.000 N		
001°06.000 W (C)		

ETA (WAYPOINT)	13:37	26/01/99
TTO (WAYPOINT)	01:03	
ETA (ROUTE)	14:32	27/01/99
TTO (ROUTE)	34:03	

POSITION	50°45.000 N
	001°06.000 W (C)
COG	230° T
SOG	6.8 Kts

WAYPOINT	001
BRG	234° T
RNG	2.4 nm
TIME	14:32 12/12/98
STER STABOARD	

ROUTE	ROUTE 01
WAYPOINT	MPT 001 to MPT 002
BRG	234° T
RNG	12.4 nm
TIME	13:28 12/12/99
STER STABOARD	

STER STABOARD	04.12	312°T	12.7Kts
WPT BRG	300°T	23.2nm	
WPT RNG	0.05nm		
WPT TIME	04.12		