

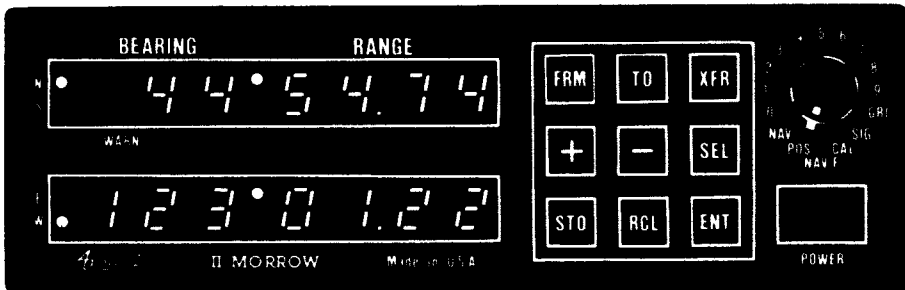
Apollo I

MORROW INC.

MODEL 602

LORAN—C NAVIGATION RECEIVER

MADE IN U.S.A.



POSITION (POS)

1. Current LAT/LONG is displayed. LAT is shown in the upper display. LONG is shown in the lower display.
2. Press XFR to display TDs. Press XFR again to return to LAT/LONG.

WAYPOINT ENTRY

1. Turn the mode switch to 0-9 and use + or - to select the waypoint number.
2. Press XFR to display the LAT/LONG of that waypoint.
3. If no LAT/LONG is present, enter your current LAT/LONG by pressing ENT.
4. If a different LAT/LONG than an existing waypoint is desired, press SEL to enable LAT slewing and use + or - to slew to the desired LAT.
5. Press SEL a second time and use + or - to slew to the desired LONG.
6. If a stored position is to be entered as a waypoint, turn the mode switch to POS. Press RCL. Select the desired waypoint number. Press XFR and ENT. Return to POS and press RCL to continue normal operation.

DEFINING A COURSE

1. Select POS or a waypoint as the point of origin with the mode switch and press FRM.
2. Select a destination waypoint with the mode switch and press TO.
3. Course information will be displayed in NAV and NAV-F modes.

NAV

1. Bearing and Range to the destination (TO Waypoint) is displayed.
2. Pressing XFR will choose displays of Ground Track Angle (GTA), Ground Speed (GS), Estimated Time Enroute (ETE), and Cross Track Error.

NAV—F

1. Bearing and Range to the origin (FRM Waypoint) is displayed.
2. Pressing XFR will choose displays of Ground Track Angle (GTA), Ground Speed (GS), Estimated Time Enroute (ETE), and Cross Track Error.

POINT—TO—POINT BEARING AND RANGE

1. Select the desired origin waypoint and press FRM.
2. Select the desired destination waypoint and press TO.
3. Turn the mode switch to NAV or NAV—F and press RCL to display the Range and Bearing between the selected waypoints.
4. Press RCL again to return to normal operation.

STORE (STO)

1. Press STO to store the current position coordinates while in any mode.
2. Recall stored coordinates in POS mode by pressing RCL.
3. The coordinates will flash until RCL is pressed again.
4. Each time STO is pressed previous entries will be erased.

RECEIVER SET—UP

CHAIN ENTRY FROM TURN ON

1. Turn power on and set mode switch to GRI.
2. Press SEL to enable new GRI selection.
3. Press + or - to select the desired chain. Press ENT.

SECONDARY ENTRY

1. While in GRI mode, press SEL twice to enable the first secondary selection. The first secondary digit will flash.
2. Press + or - to select the desired secondary. Press ENT.
3. The next secondary is automatically enabled and this digit will flash.
4. Press + or - to select the desired secondary. Press ENT.

MAGNETIC VARIATION ADJUSTMENT

1. Turn the mode switch to CAL and press SEL to enable entry.
2. Press + for westerly variation and - for easterly variation.

LAT/LONG CALIBRATION USING A KNOWN POSITION

1. Turn the mode switch to CAL and press XFR and then ENT to display the calculated LAT/LONG position.
2. Press SEL to enable entry. Press + or - to slew the LAT display to the known position.
3. Press SEL a second time. Press + or - to slew the LONG display to the known position.

CROSS TRACK ERROR RESOLUTION

1. Turn the mode switch to CAL and press SEL four times to enable entry.
2. Press + or - to select the desired resolution.

RESOLUTION FACTORS

0.01 nm = 60'
0.02 nm = 120'
0.05 nm = 300'
0.10 nm = 600'