REGENCY
POLARIS MS5000
OWNER'S MANUAL
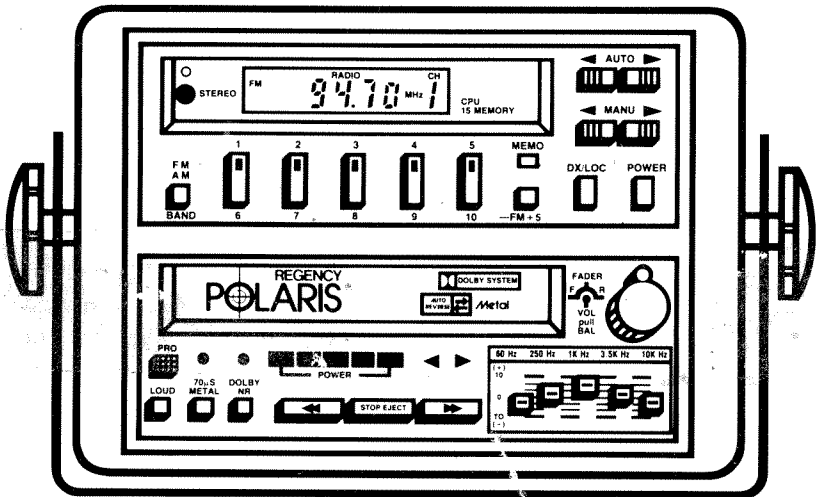
REGENCY
PØLARIS ®

TABLE OF CONTENTS

GENERAL DESCRIPTION

Your Regency MS5000 is a state of the art component marine stereo. The system features a Quartz synthesized AM-FM tuner/clock with 15 station memory and liquid crystal display combined with an auto-reverse cassette player with a built-in power amplifier and graphic equalizer.

PREPARATION FOR USE

The MS5000 stereo is designed for marine mobile installation in any vessel that has a 12-24VDC negative ground system. Refer to the connection diagram below when installing.
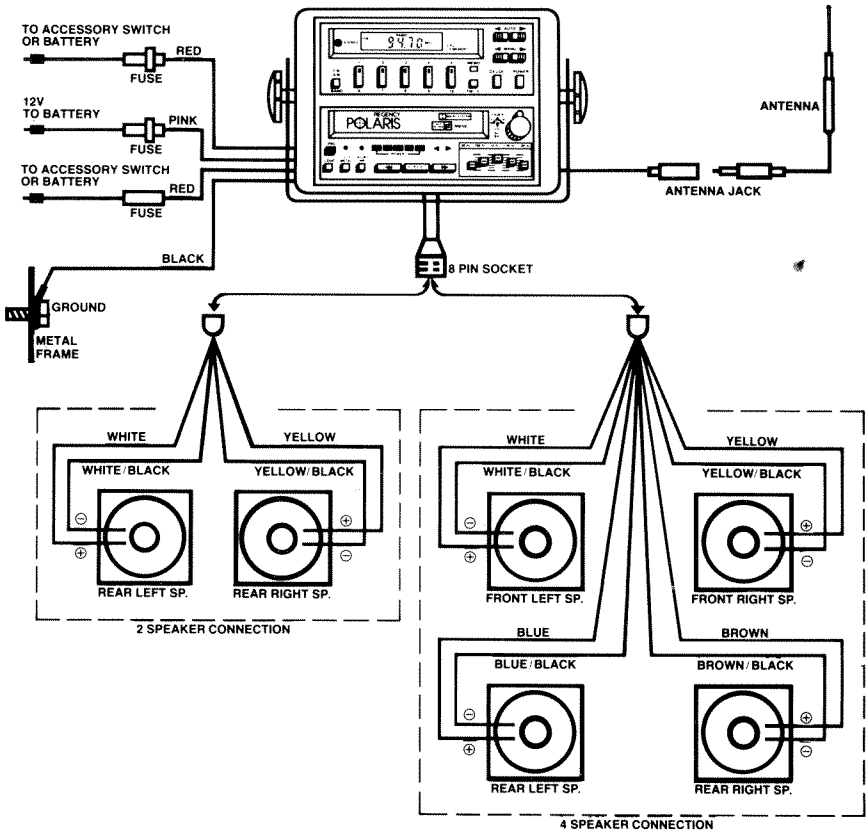
1. The pink lead with the fuse holder is for the clock and memory backup. Therefore, connect the pink lead to the positive terminal of the battery so it is always "live".

2. The 2 red leads with the fuse holders can be connected directly to the positive terminal of the battery or through the accessory switch to the positive terminal. (If connected through the ignition switch, radio and cassette will only operate when ignition is on.)

3. Connect black lead to the negative terminal or to a metal hull which is grounded to the negative terminal of the battery.

4. Connect antenna jack to any standard automobile type FM antenna.

5. Speaker leads should be connected as shown in the diagram. For a 2-speaker system, use 2-speaker cord; for 4-speaker system, use 4-speaker cord. Both cords are provided with the unit.

FRONT PANEL CONTROLS
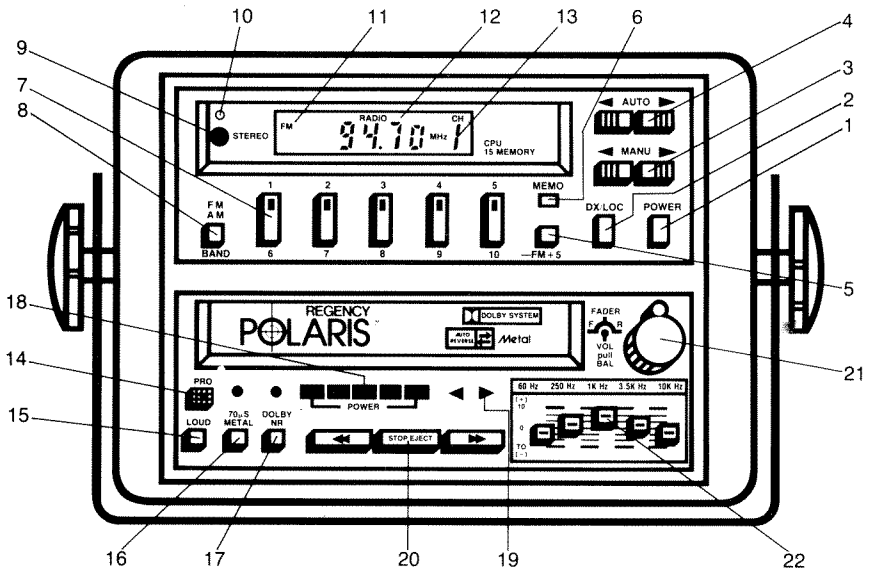
1. Power Switch — When pushed in, applies power to the unit.

2. DX/LOC Button — Push in when receiving nearby strong stations.

3. Manual Tuning Button — Push ▷ or ◁ to step up or down through the frequency band. FM will step in 50KHz increments, AM steps 1KHz. If button is held down the unit keeps searching up or down.

4. Auto Tuning Button — Press ▷ or ◁ momentarily to begin the search process. When unit starts searching, release button and the radio will stop on a frequency which is good enough for reception.

5. FM + 5 Button — Used to select or program the FM channels 6 through 10.

6. Memory Button — Used to program AM/FM channels and time.

7. Preset Buttons — Used to select preset stations. AM has 5 preset stations (1-5), and FM has 10 preset stations. (1-5, 6-10).

8. Band Selector — When pushed in; AM, when out FM.

9. Stereo Indicator — Red LED lights when stereo station is received.

10. Reset Switch — Clears memory circuit.

11. Band Indicator — Indicates AM or FM.

12. Digital Indicator — Displays reception frequency and/or clock.

13. Channel Indicator — Indicates which preset channel has been selected. Also, flickers when memory button is pressed during programming.

4

14. Program Button — Used to change playing direction of tape.

15. Loudness Button — When listening at low levels, compensates bass and treble to maintain natural sound.

16. 70μS/Metal Switch — Push in when using metal type cassette tapes, leave out for standard High Bias 70μS cassettes.

17. Dolby Switch — When pushed in, activates Dolby® Noise Reduction System.

18. Power Meter — Indicates power output level.

19. Direction Lights — Indicates tape play direction.

20. Transport Controls — Used to fast forward, rewind, stop, or eject cassette.

21. Volume/Balance/Fader Control — Rotating the inner knob (Fader) balances the sound between front and rear speakers if a 4 speaker system is used. The outer knob is used to increase the volume when rotated clockwise, or, if pulled out, becomes a balance control for left to right balance.

22. Graphic Equalizer — 5 band tone control used to increase or decrease emphasis at 5 specific points in the audio spectrum (60Hz, 250Hz, 1KHz, 3.5KHz, and 10KHz) The center detent setting is neutral.

OPERATION

Radio

The cassette section has priority over the radio. If a cassette has been loaded in the unit, it must first be ejected before using the radio.

To program the station presets:

1. Push the Power switch to apply power to the radio.

2. Select AM or FM.

3. Tune in desired station using the automatic or manual tuning buttons.

4. Push the Memory button "MEMO" (Channel Indicator will Flicker) and then the desired preset number while the channel indicator is flickering.

   NOTE: To program FM stations 6-10, press MEMO, then FM + 5, followed by the desired preset number.

Clock

The time is displayed in the digital readout. The time disappears from the display while programming or selecting frequencies, but will reappear after about 90-180 seconds. With time in the display, program by:

1. Pressing MEMO button. (The clock will Flicker) Push the automatic or manual tuning button.

2. While the display is flickering, press the automatic or manual tuning button to set time. A ◁ push retards a minute, and a ▷ push advances a minute. When held pushed, retards or advances in 10 minute steps.

Cassette Player

Prior to use, press the eject button as the cassette holder may be locked during transport.

To operate the cassette player:

1. Select status of Dolby noise reduction circuit, on or off.

2. Select standard High Bias (70μS) or Metal Oxide (Metal) tape setting.

3. Insert the cassette tape-side in. Playing direction will be indicated by direction arrow lights. If you wish to change directions press the PROGRAM button, otherwise the tape will automatically change directions when it reaches the end of a side (auto-reverse).

4. To stop playing and release tape press the STOP/EJECT button.

MAINTENANCE

After several hours of use, playback sound may become muffled or, in extreme cases, almost inaudible. This is usually due to a deposit of oxide on the tape head. The easiest way to overcome the problem is to use headcleaning tape or to use a cotton swab moistened with headcleaning fluid available at most radio stores.

Model MS5000 Component Marine Stereo

SPECIFICATIONS

Tuner

Frequency Range . . . . 530 – 1620 KHz
87.5-108MHz
IF 450KHz
10.7MHz
Usable Sensitivity . . . . 50μV (20dB S/N)
3μV (30dB S/N)
Image Rejection 45dB
50dB
IF Rejection 55dB
65dB
Auto Stop Sens. 40μV-40mV
20μV
Stereo Separation . . . . —
30dB at 1KHz
Output Level 150mV
Power Supply . . . . DC 11-16V Negative Ground
Size . . . . 5.9″W × 2.0″H × 6.5″D
mm . . . . 150W × 50H × 166D

Cassett/Equalizer/Amplifier

Tape Speed . . . . 1⅞″ per sec.
Wow/Flutter . . . . 0.15% (WRMS)
S/N Ratio 54dB
Crosstalk 45dB
Separation 40dB
Frequency Response . . . . 50-12,000Hz(±8dB)
Dolby Effect 9dB
Tuner Sensitivity 150mV
Output Power . . . . 13W/ch 5% THD
Max. Output 22w/ch
Power Supply . . . . DC11-16V Negative Ground
Size . . . . 5.9″W × 2.0″H × 6.5″D
mm . . . . 150 W × 50 H × 166 D

REGENCY
POLARIS NINETY DAY
LIMITED WARRANTY

1. The Regency Polaris MS5000, is warranted to the original or subsequent purchasers to be free of defects in material and workmanship for a period of ninety (90) days from the date of purchase as shown on the original consumer purchaser's receipt.

2. Warranty service will be provided free of charge if the unit is delivered to a Regency Polaris authorized service station accompanied by original consumer proof of purchase. Any transportation, removal or reinstallation charges will be paid by the purchaser whenever incurred in connection with this warranty. In absence of proof of purchase receipt the warranty period shall be ninety (90) days from the date of manufacture as indicated by serial number on unit. Purchaser need not return the registration card to obtain warranty service.

3. The warranty does not apply to units subject to misuse, neglect, accidents, incorrect wiring not our own, improper installation, or units used in violation of the instructions furnished by us. This warranty excludes any incidental and consequential damages connected with failure or defect in the product.

4. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Regency ELECTRONICS, INC.

7707 Records Street • Indianapolis, IN 46226