

1 yr warranty dated 1-14-63

Capehart Corp.

87-46 123rd St. Richmond Hill 18, N.Y.

OPERATING INSTRUCTIONS

THE INCOMPARABLE

Capehart®

**HIGH-FIDELITY
SELF-CONTAINED STEREOPHONIC
RADIO-PHONOGRAPH COMBINATION**

SERIES 1200

GENERAL INFORMATION

This console houses a complete self-contained stereophonic high-fidelity system consisting of a stereophonic AM/FM simulcast tuner chassis for reception of AM/FM stereophonic broadcasts as well as conventional AM and FM programs, a stereophonic amplifier and two speaker systems, one for each channel of the dual channel amplifier, and a 4-speed stereophonic/monaural deluxe automatic record changer.

This instrument is constructed to provide a wonderful new sound in self-contained high-fidelity stereophonic reproduction. Each channel of the dual channel amplifier drives a separate three-speaker system, each of which contains its own crossover network. Speakers are arranged to provide the best stereophonic effect possible.

The AM and FM sections of the tuner may be operated simultaneously as well as individually. It has built-in antennas for AM and for FM, automatic volume control, and automatic frequency control for drift-free FM reception. Provision has been made for reception of FM multiplex stereophonic broadcasts.

The record changer is equipped with a stereo/monaural flipover cartridge having diamond and sapphire needles. Among its many deluxe features are automatic speed selection in the SPEEDMINDER position, a muting switch for quiet record changing, and a turntable-pause action in the changing cycle for minimum record wear.

Jacks are provided for playback from stereo or monaural tape recorders.

INSTALLATION

UNPACKING: Carefully unpack and remove inside packing material.

Follow instructions as given on record changer instruction card attached to the turntable. Loosen changer mounting screws by turning them clockwise until they are flush with changer base. Make certain that the record changer floats freely.

ANTENNAS: Two built-in antennas are provided in the radio-phonograph combination, one for AM (broadcast range) and the other for FM (frequency modulation). For most areas these built-in antennas will be adequate. In some locations, however, the reception of FM stations may be improved by the use of an outside antenna. Terminals for antenna connections are shown in Fig. 2. Disconnect the built-in antenna lead and connect the external antenna leads to the FM antenna terminals at the rear of the tuner chassis. An AM external antenna connection is also provided.

POWER: Plug power cord into 105 to 125 volt, 60 cycle AC wall receptacle.

CAUTION: If there is any doubt about the line voltage available, consult the local power company before inserting plug.

CONTROLS

All controls for the operation of this instrument are located on the instrument control panel and on the record changer.

Record changer controls are identified on the record changer instruction card attached to the turntable. Front panel controls are shown in Fig. 1.

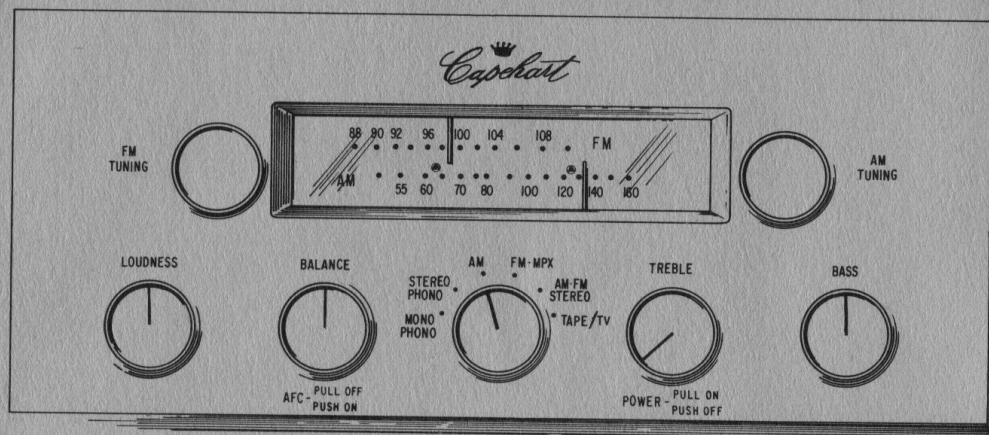


Fig. 1—Control panel

OPERATION

PHONOGRAPH OPERATION

TO PLAY STEREOPHONIC PHONOGRAPH RECORDINGS

Turn power on by pulling TREBLE control outward. Turn the function control knob to STEREO PHONO position. This connects the record changer cartridge to the corresponding amplifier channels as required for true stereophonic reproduction. Turn the cartridge lever at the end of the record changer arm to "LP-STEREO" position. Operate record changer by following instructions on the record changer instruction card. The record changer and entire unit will automatically shut off after the last record is played.

THE LOUDNESS CONTROL: The LOUDNESS control is used to control the volume of both channels simultaneously. It automatically maintains the correct relative levels of volume in each channel. To increase the volume level, turn the knob clockwise.

THE BALANCE CONTROL: This control is used to correct for any differences in volume levels between the two channels. The control is in its normal position when it is centered between the right and left. Turning the balance knob toward RIGHT from center will increase the volume of the right channel speakers and decrease the volume of the left channel speakers. Turning it toward LEFT will increase the volume of the left channel speakers and decrease the volume of the right channel speakers. Adjust until the sound of each channel is of equal volume.

THE BASS AND TREBLE CONTROLS: The BASS and TREBLE controls are used for proper tone blending as desired. Corrections may be made for variations in room acoustics. These controls operate on both channels simultaneously, and automatically maintain the tonal balance of the two channels.

TO PLAY MONAURAL PHONOGRAPH RECORDINGS

Turn power on by pulling TREBLE control outward. Turn the function control knob to MONAURAL PHONO position. Turn the lever on the cartridge at the end of the record changer arm to "LP-STEREO" position to play 16, 33 or 45 rpm recordings, and to "78" position to play 78 rpm recordings. Operation of other controls is the same as described for stereophonic operation.

TO TURN INSTRUMENT OFF

When the function switch is in MONAURAL PHONO or STEREO PHONO position, the instrument is turned off when the record changer is off. When the record changer is operating, the instrument will shut off automatically after the last record has been played. When the function switch is in AM RADIO, FM RADIO, AM/FM STEREO, or TAPE/TV positions, the instrument is turned off by pushing the treble control knob inward.

RADIO OPERATION

FOR AM STANDARD BROADCAST RECEPTION

Turn power on by pulling TREBLE control outward. Turn function control knob to AM RADIO position. Allow 30 seconds for warm-up. Tune in desired station using the AM TUNING control knob. Adjust LOUDNESS, BALANCE, BASS, and TREBLE controls as described above for phonograph operation.

FOR FM BROADCAST RECEPTION

Turn power on by pulling TREBLE control knob outward. Turn the function control knob to FM RADIO position and allow 30 seconds for warmup. Pull the BALANCE control knob outward to defeat the automatic frequency control (AFC). Slowly rotate the FM TUNING knob until the signal is clearest and strongest, then push the BALANCE control knob inward to engage the AFC. The signal is now "locked in" and will remain loud and clear regardless of external conditions which would otherwise tend to cause drift. Adjust LOUDNESS, BALANCE, BASS, and TREBLE controls as described above for phonograph operation.

FOR AM AND FM SIMULCAST STEREOPHONIC RECEPTION

AM & FM stereophonic reception is obtained by simultaneously receiving a stereophonic broadcast from two radio transmitters (one on AM, one on FM). FM will be on the left channel and AM will be on the right channel. Consult program listings to determine the corresponding AM and FM frequencies (dial settings) of stations, and time of stereophonic broadcasts.

Turn function control to AM RADIO position and tune in desired station as described for AM reception. Turn function control to FM RADIO position and tune in the corresponding FM channel determined from program listings. Turn function control to AM/FM STEREO position. This automatically connects the AM and FM tuner sections to separate channels in the amplifier as required for proper reproduction of the AM & FM stereophonic broadcast. Adjust LOUDNESS, BALANCE, BASS, and TREBLE controls as described for stereophonic phonograph operation.

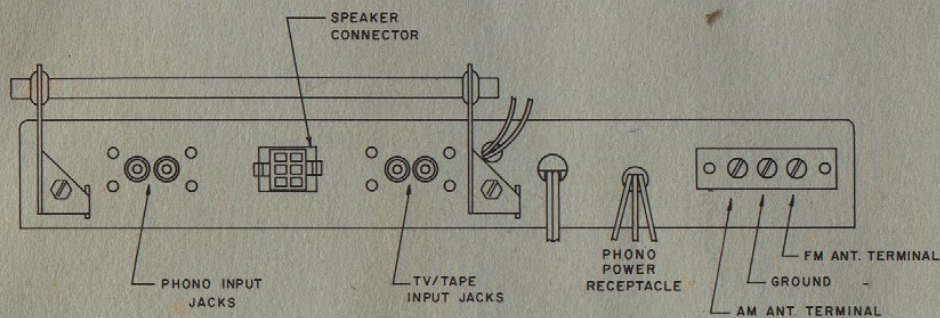


Fig. 2 — Rear view of tuner chassis

TO PLAY TAPE RECORDINGS

Insert connectors from tape recording reproducer into jacks provided for tape input on the back of the tuner chassis. (See Fig. 2.) Rotate function switch to TAPE position. Operation of LOUDNESS, BALANCE, BASS, and TREBLE controls is the same as described above for stereophonic phonograph operation.

OPERATION WITH EXTERNAL SPEAKER SYSTEMS

External speaker system may be connected to either the LEFT or RIGHT channels or both. The wires from each remote speaker system are connected to a pair of terminals, either CH 1 or CH 2, on the EXTERNAL SPEAKER plate at the rear of the console. (See Fig. 3). By using external speakers any of the program material may be heard in other rooms.

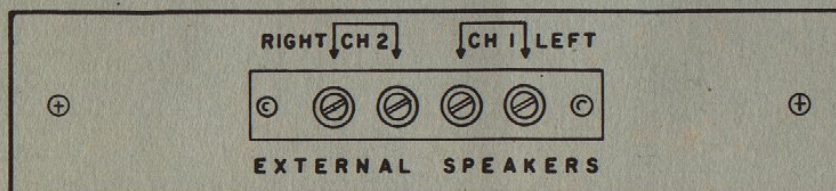


Fig. 3 — External speaker plate. Rear of cabinet.

If two additional speakers are to be used for remote stereo listening, connect the cable from each to the pair of terminals on the side corresponding to the location in which the speaker is placed.

IMPORTANT

A system of emergency radio broadcasting called CONELRAD (which means technically, Control of Electromagnetic Radiation) has been devised to get Civil Defense information to you before and during an enemy attack. Here is what you must remember. If we should have a Civil Defense emergency, keep your AM (Standard Broadcast) radio set turned on and tuned to 640 KC or 1240 KC on the dial. One or both of these frequencies will bring you the CONELRAD broadcasts in your area.

NEEDLE REPLACEMENT

In normal use, the Diamond stylus for LP and stereo records should last at least 1000 playing hours. Beyond this time it would be wise to have the needle checked, to avoid possible damage to the fine grooves of your LP records.

Should the stylus require replacement it may be removed and a new one inserted by following the simple instructions below.

NOTE: Replacement of the stylus does not require removal of the cartridge.

To replace the phonograph needle proceed as follows. Lift the tone arm on the record changer to expose the cartridge and needle. The stylus, or jewel, rests on a rubber mount and the other end is fastened to the cartridge by means of a small red mounting button. Using an ordinary tweezers, grasp the needle just below the stylus and pull upwards and slightly towards yourself. Holding the new needle with the tweezers in the same manner, simply reverse the procedure. The forked end of the needle should fit snugly beneath the red mounting button and the stylus should rest evenly on the rubber mount. The procedure is the same for replacing either the diamond or sapphire needle.

CARE AND MAINTENANCE

This instrument has been designed and constructed to render trouble-free performance with a minimum of care or maintenance and under normal conditions will not require any special attention.

The cabinet has a rubbed and waxed finish. Care for it as you would any other piece of fine furniture. Remove film and dust and restore original luster by merely wiping the cabinet with a polishing cloth.

CAUTION — Do not place the set too near a hot radiator or where it will be exposed to direct sunlight.

For manufacturer's warranty covering this unit see Warranty Card enclosed with set.