

bring your entire family the finest home entertainment they've ever experienced

your magnificent new

**Magnavox**

**MAGNA-COLOR**

ASTRO-SONIC STEREO THEATRE

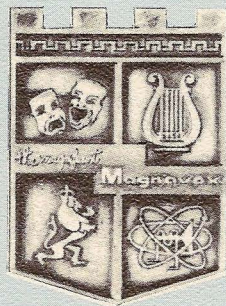


operating instructions



# Welcome

TO THE  
**Magnavox**  
FAMILY



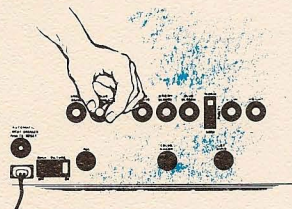
Your new Magnavox makes you a valued member in the ever-growing family of proud owners of Magnavox instruments. We are certain you will find, as have so many others, that your Magnavox will be a center of enjoyment and inspiration—and of added beauty in your home—for many years to come. As a beautiful furniture piece, as a brilliant engineering achievement, and as a dependable source of home entertainment, your choice of Magnavox is a confirmation of good taste and sound judgment . . . truly a lasting investment in gracious living. Our congratulations will be seconded by your family and by your friends. For your maximum enjoyment, we recommend that you carefully follow the operation and maintenance instructions outlined in this booklet.

*Quality leader in home entertainment instruments*



# INSTALLING YOUR NEW **Magnavox** . . .

PROPER INSTALLATION IS ESSENTIAL FOR PEAK PERFORMANCE



Unlike many appliances, the installation of a color television receiver in your home requires more than merely "plugging in". A trained Magnavox service technician, in making the installation, will carefully check and, if necessary, adjust the setting of the rear-cabinet controls to be sure that both color and black-and-white TV pictures are reproduced with finest possible detail and color fidelity.

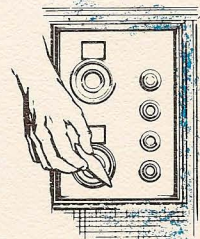
**COLOR PURIFIER . . .** A Color Purifier circuit has been incorporated to virtually eliminate magnetic field effects. This innovation permits movement of the instrument from one room to another without adversely affecting color picture quality.

YOUR INSTALLATION MAN WILL . . .



**CONNECT AND CHECK YOUR ANTENNA . . .** Perhaps your present antenna will furnish satisfactory color signals; if not, he will recommend a new antenna designed for best possible reception in your area.

**DEMONSTRATE USE OF PANEL CONTROLS . . .** His demonstration, plus this booklet, should make you fully capable of accurately tuning any television station in your area.



**CAUTION:** This instrument is designed for operation only on 110-120 volt, 60-cycle alternating current.



## CONTROLS

### OFF-ON TIMBRE SWITCH

This switch is the master switch and the Timbre control combined. To turn the instrument on, rotate the control clockwise until an audible "click" is heard. The Timbre control affects frequencies above 1000 cycles. This control is useful in reducing background noises and electrical disturbances.

**STEREO-PHONO** — This position allows you to play the finest recordings in living sound. Refer to the instructions in the booklet entitled "How To Operate The Micro-matic Record Player".

**FM-AFC** — In this position the latest feature in radio today is presented to you in the form of stereophonic FM radio broadcasts. The Stereo FM Indicator, provided on some models, (mounted on radio dial panel) will light up whenever an FM station is broadcasting in Stereo FM.

The electronic circuit known as AFC (Automatic Frequency Control) ensures proper tuning and eliminates distortion caused by inaccurate tuning. Tune an FM station with the Function Selector in the FM position, then switch to the FM-AFC position. This will "lock-in" the FM Station on your receiver.

**AM-FM** — Rotate the Function Selector to AM to receive standard broadcasts or to FM to receive frequency modulated radio broadcasts. Select the desired station as described under TUNING.

**TV** — Rotate the Function Selector to the TV position. Refer to "How To Operate The TV" section of this booklet.

**TAPE** — The Tape position allows one to play a tape recorder or player through the instrument. Refer to "External Tape Recorder" listed in the Accessories section of this booklet.

### TUNING

Rotate the Control knob slowly to select either AM or FM stations. The tuning meter, located on the front of the radio dial, gives visual indication when tuning a radio station. Rotate the Tuning Control knob for maximum movement of the tuning needle in the direction shown by the arrow.

### BALANCE

It may be necessary to balance the two stereo speaker systems for proper stereo reproduction. To obtain proper balance, operate the instrument with a conventional long-play record. Adjust the balance control until equal sound output is obtained from the two speaker systems.



## LOUDNESS

Volume can be adjusted with the loudness control. Rotate the control clockwise to increase volume and counter-clockwise to decrease volume.

## BASS

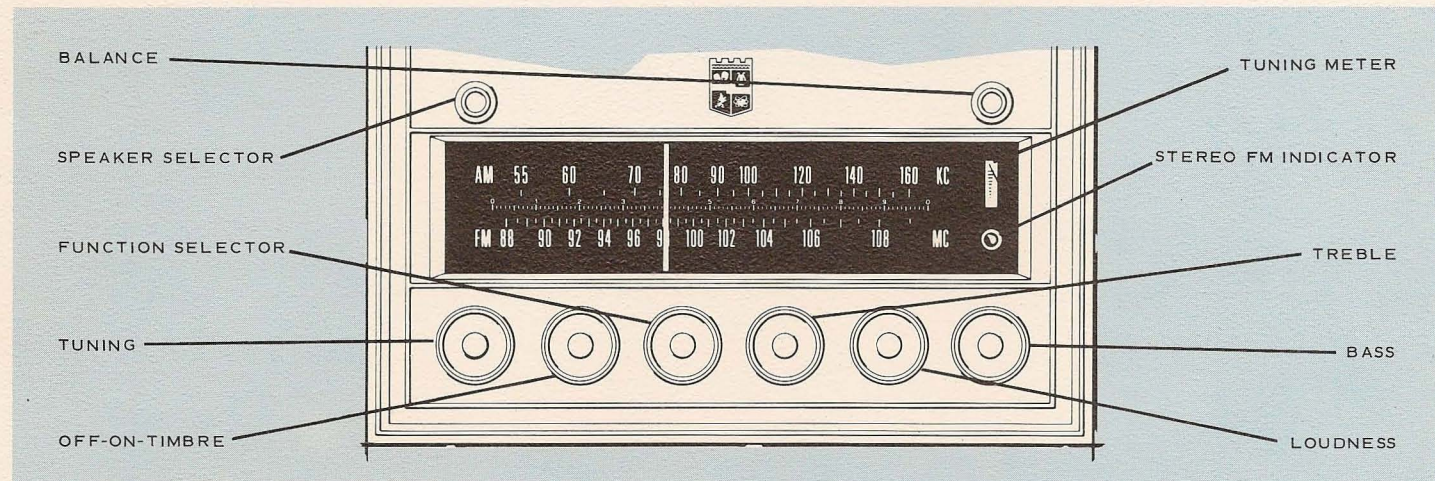
The function of the Bass control is to vary the intensity of tones below 500 cycles per second, such as those produced by the bass drum or tuba. The setting of this control will depend largely upon the acoustical condition of the listening room, and your personal listening pleasure.

## TREBLE

The Treble control will vary intensity of the Treble tones (tones above 500 cycles per second) such as those produced by the flute or piccolo. Adjust the TREBLE control to suit your personal listening pleasure.

## BALANCE

Adjust the balance control until equal sound output is obtained from the two speaker systems.





## HOW TO OPERATE THE TV ...

### TURN RECEIVER "ON"

Refer to the "Controls" page in this booklet for preliminary settings of the controls for TV operation. If the controls are already set for TV operation, depress the "Vol" button on your hand transmitter or the "On-Off-Vol" button on the control panel. To turn the receiver "Off", depress the "Vol" button or the "On-Off-Vol" button through the high, medium and low positions until the "Remote-Off" position is reached.

NOTE: A Remote-On-Off switch is located on the back of the set. This enables you to operate the set manually by simply switching to the Off position.

### QUICK PICTURES

A Quick Picture switch is located on the rear of this instrument and should, under normal conditions, be left in the ON position. When in the ON position, you can tune pictures within seconds after the instrument is turned on. Since a small amount of power is applied to the tubes when the switch is in the ON position, you may wish to turn it off if the unit will not be used for an extended period of time.

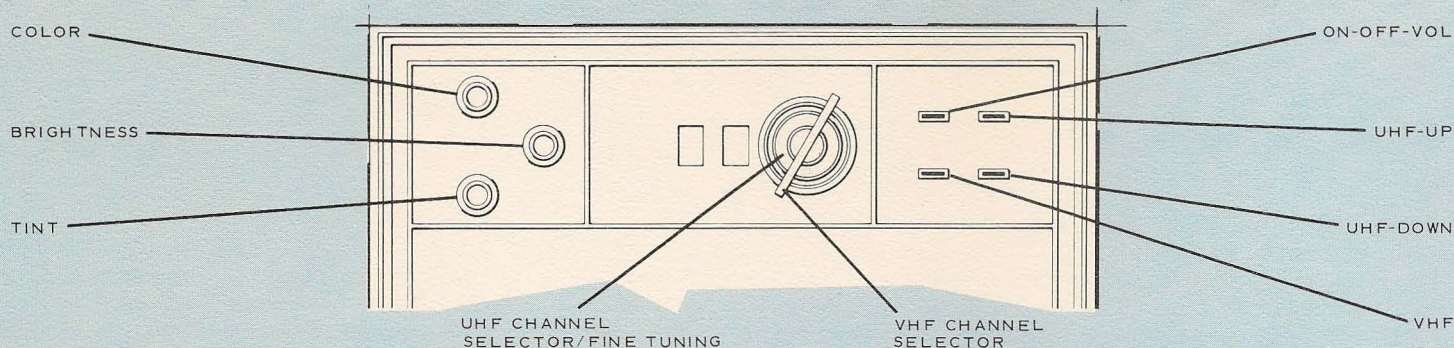
### VHF/UHF CHANNEL SELECTION

To select VHF channels 2 thru 13, momentarily depress the VHF button on your hand transmitter, or on the control panel at the set, until the next operating VHF channel number appears in the VHF Indicator Window. You may push these control buttons once for each operating channel or hold depressed for running through a series of channels to make selection quicker.

NOTE: To ensure longest battery life in the transmitter, it is recommended that you do not hold the control buttons in for an extended time period.

To select UHF channels 14 thru 83, depress the VHF button on your hand transmitter or on the control panel at the set until the "U" appears in the VHF Indicator Window. Now momentarily depress UHF ↓ button on the hand transmitter or the UHF-Down button on the control panel at the set to select UHF channels going down the number scale or momentarily depress the UHF ↑ button on the transmitter or the UHF-Up button at the control panel for channels going up the number scale. The UHF channel numbers will appear illuminated in the UHF Indicator Window.





## AUTOMATIC TUNING

An Automatic Tuning switch is located on the back of the set. When this switch is in the On position, your set will "Seek-Out" only those channels on the air Automatically when you follow the aforementioned VHF/UHF Channel Selection procedure. If you wish, you may move this switch to the Off position and the VHF channel selection will stop at every channel automatically; however, the UHF tuning will not function automatically.

## INSTANT AUTOMATIC COLOR

Instant Automatic Color is a unique feature pioneered and developed by Magnavox to do the precision job of fine tuning the television signal for the best possible

black-and-white or color picture. It makes manual fine tuning unnecessary after having been pre-set. Refer to the paragraph with the heading PRE-SET VHF FINE TUNING. Under normal operating conditions the INSTANT AUTO COLOR switch located on the rear of this unit must be left in the ON position.

## PRE-SET VHF FINE TUNING

To pre-set the fine tuning on VHF stations, depress the Fine Tuning knob and rotate it to the best color picture, when transmission is in color. Then release it and the Instant Automatic Color will "lock-in" this picture automatically to coincide with the best sound. Once you have pre-set the fine tuning for any VHF station, you need only select that channel when viewing it again.



## COLOR/TINT ADJUSTMENTS

To increase the color intensity when colors appear too "pale" and weak, depress the Color  $\wedge$  button on your hand transmitter until colors appear natural or as you desire and then release immediately. If colors appear too "flushed" or too intense, depress the Color  $\vee$  button on the transmitter until you reach the desired results and then release immediately.

To adjust the tint effect in your color pictures, when the facial tones appear too green, depress the RED button on the hand transmitter until the desired effect results and then release immediately. If the facial tones appear too red or purple, depress the GREEN button on the hand transmitter until you obtain the desired results and then release immediately.

NOTE: For manual adjustment of Color and Tint controls, refer to the color pages entitled "TO ADD COLOR" and "TO ADJUST TINT".

## BRIGHTNESS AND CONTRAST ADJUSTMENTS

Brightness and Contrast controls can best be adjusted while viewing a black-and-white picture. If a color telecast is being received during the initial tuning procedure, rotate the Color control fully counter-clockwise.

Adjust the Brightness control by rotating either left or right until the medium brightness is apparent on the screen. Adjust the Contrast Control (located on the back of the instrument) for the desired picture intensity.

## PRE-SET REMOTE LOUDNESS

Remote loudness can be adjusted to off, high, medium and low, respectively, within the setting of the manual control. To pre-set the remote feature:

1. Adjust the Bass and Treble controls for the desired response.
2. Adjust the manual Loudness control on the receiver to maximum loudness.
3. Depress the Vol button on the hand transmitter until the remote loudness is in the high position.
4. Re-adjust the manual Loudness control to a comfortable, but above normal listening level.

Should the manual Loudness control on the instrument be changed after this setting is made it will be necessary to repeat the above procedure in order to obtain the desired loudness in the remote positions.

NOTE: Although your remote receiver is set to adjust volume to high, medium, low and off, in that order, you may go through these positions and back to high without disrupting the picture or having the set turn off automatically. This can be accomplished if you very quickly depress the VOL button immediately after you reach the Off position.



## CHROMATONE

A Chromatone switch is located on the back of this instrument enabling you to add a warm sepia tone and extra dimension to conventional black-and-white pictures. The Chromatone feature is also very effective in color broadcasts by adding warm beauty and depth to a normal color picture. To enjoy this fine added feature, simply move the Chromatone switch to the ON position.

## AUTOMATIC OFF

As a special feature, the unique innovation of Automatic Off has been incorporated into your instrument. If you should happen to fall asleep while viewing during the late hours, this unit will turn itself "Off" automatically within approximately two minutes after the station leaves the air.

## SPEAKER SELECTOR

A three position speaker switch controls the operation of the speakers. When the Speaker Selector is in the "BOTH" position, the external and the instrument speakers will operate. When in the "External" position only, the external speakers will operate.

NOTE: If you have not added external speakers to your instrument, the Speaker Selector switch must remain in the "Internal" position.

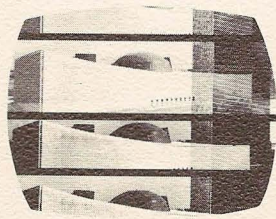
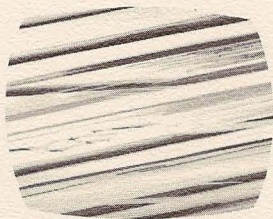
## REAR CONTROLS

The Sharpness, Horizontal, Contrast and Vertical controls are located on the back of the instrument and are identified by screening on top of the instrument and also on the cabinet back.

### SHARPNESS

The Sharpness control adjusts the detail of the picture to compensate for variance in transmission. Should the picture seem blurred or fuzzy, adjust the Sharpness control for satisfactory viewing.

### HORIZONTAL "TEAR" OR VERTICAL ROLL:



Adjust Horizontal or Vertical control until the picture locks in place.





## TO ADD COLOR



### TOO MUCH

If COLOR control is turned too far right, colors will appear "flushed" and too brilliant.

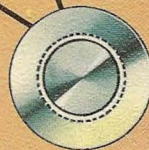


### TOO LITTLE

If COLOR control is turned too far left, colors will appear "pale" and weak.

### NORMAL

◀ Advance COLOR control to obtain the desired color intensity.



Slight touch -up of the COLOR and TINT controls



## TO ADJUST TINT



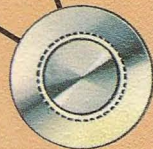
### TOO GREEN

If TINT is turned too far right, facial tones will be too green.



### TOO PURPLE

If TINT control is turned too far left; facial tones are too purple.



ols may be desirable to produce the best COLOR picture.



### IF INTERFERENCE IS PRESENT

On weak or distant stations, switch the Automatic Color Control off and adjust Fine Tuning Control until interference is at a minimum.

Rotating the Fine Tuning Control too far in either direction, may tune in a station operating on an adjacent channel.



## HOW TO OPERATE YOUR MICROMATIC RECORD PLAYER...

### UNLOCK

Press down on the balance arm in the area indicated in the illustration and move the balance arm to the center of the turntable.

### LOAD

Lift the balance arm at the same point used to press down and swing it out over the tone arm. Place a quantity of records, not to exceed ten and all the same speed, on the record spindle and lower them to the spindle offset step. While holding the records level, move the balance arm to center of the turntable and lower it onto the stack of records. Records of different size must be stacked with the largest size at the bottom to ensure proper indexing.

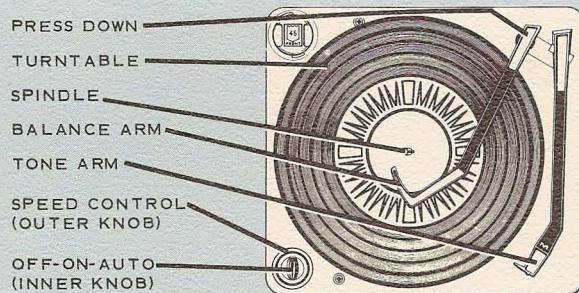
### OPERATE

Set the speed control to the correct speed and select the correct Stylus. Turn the Off-On-Auto switch clockwise to "Auto" and release. The first record will drop and the record player will function automatically until all the records in the stack have played. At the end of the last record, the tone arm will return to its rest and the record player will switch to "Off". To reject a record while the record player is in operation, rotate the Off-On-Auto switch clockwise to "Auto" and release. Should you wish to reject a record by using your remote unit, depress the "VHF" button on your hand transmitter or on the control panel at the set.

To reset the speed control after the record player is in operation, turn the Off-On-Auto Switch to "Off" and then reset speed control.

NOTE: To turn the record player "Off" using your hand transmitter, continually depress the "VHF" button until all records have been rejected. The record player will turn off automatically after the last record has been rejected.

Although it is possible to turn your record player "Off" utilizing the "Vol" button on your hand transmitter, this practice is not recommended since the tone arm will not return to its rest. Leaving the tone arm on the record in this manner will result in excessive record and stylus wear and damage to the record player.

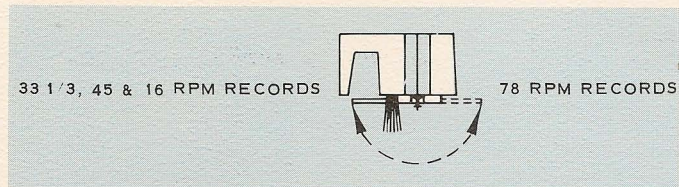




## MANUAL OPERATION

To play records manually, lift the Balance Arm by grasping it at the point nearest the rear and swing it out over the tone arm. Place the desired record on the turntable and turn the Off-On-Auto switch "On". Place the Tone Arm gently on the record. After the record has been played, the Tone Arm will return to its rest and the record player will switch to "Off". If only a selected passage is to be played, the Tone Arm can be lifted and placed on its rest by hand after the passage is completed. In this case, it will be necessary to manually turn the Off-On-Auto switch to "Off".

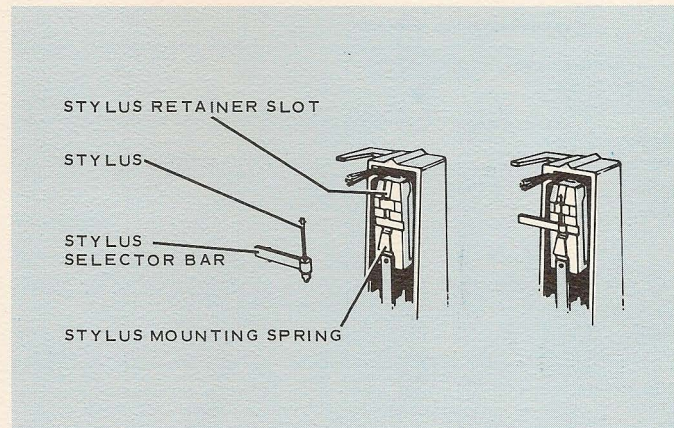
## PRESS DOWNWARD TO SELECT STYLUS



## REPLACEMENT STYLI

To replace a stylus in your instrument, set the selector bar for the stylus to be changed and refer to the illustrations to determine the replacement needed. Replacement styli are available through your authorized Magnavox dealer.

To remove the stylus, raise the tone arm and slide the stylus selector bar up and out. To replace the stylus,



snap the stylus selector bar under the stylus mounting spring on the cartridge and BE SURE the stylus rests in the retainer slots.

Always replace your stylus with an exact duplicate of the one supplied.

## STYLUS MAINTENANCE

Once a month lift the tone arm and blow any dust accumulation from around the stylus. Also, flip the stylus selector arm to the opposite side and then back to its original position.

The reason for flipping the needle selector arm is to ensure that it is centered in the yoke; because, in the process of removing the dirt the needle might become dislodged from its correct position.



## ACCESSORIES...

### 45 R.P.M. ADAPTER

The record player may easily be converted to play 45 RPM records having the large center hole simply by using a 45 RPM adapter. This adapter is supplied on some models. If not supplied, the adapter may be purchased from your authorized Magnavox Dealer.

To install the adapter, ensure that the record player is turned OFF and the record balance arm moved to a position clear of the record spindle. With the arrow on the adapter pointing toward the front of the instrument, press the adapter down over the spindle. Rotate the adapter slightly back and forth, while pushing down, until the adapter is fully seated. To remove the adapter, pull straight up from the spindle.

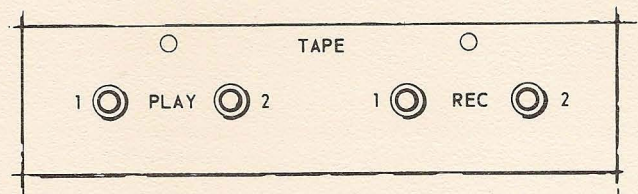
With the adapter installed, up to ten 45 RPM records may be placed on the spindle. After placing a number of 45 RPM records on the spindle, move the record balance arm over the Tone Arm and operate the record player in the normal manner. Be sure the speed control is set to 45 RPM and the Stylus Control to the micro-groove position.

NOTE: After removing records be sure the adapter is still fully seated before placing more records on the adapter.

### EXTERNAL TAPE RECORDER

For your convenience, easily accessible input and output jacks are located on the rear of this instrument. These

jacks enable you to connect an external tape recorder and play or record through this instrument.



To play tape, after the proper connections have been made, set the Function Selector on the radio to the TAPE position. Your radio is equipped to allow you to record, turn the Function Selector to the desired function (AM, FM, FM-AFC, STEREO-PHONO or TV) and adjust the instrument for normal operation. Refer to the instructions that accompanied your tape recorder to play or record tape.

### SPEAKERS

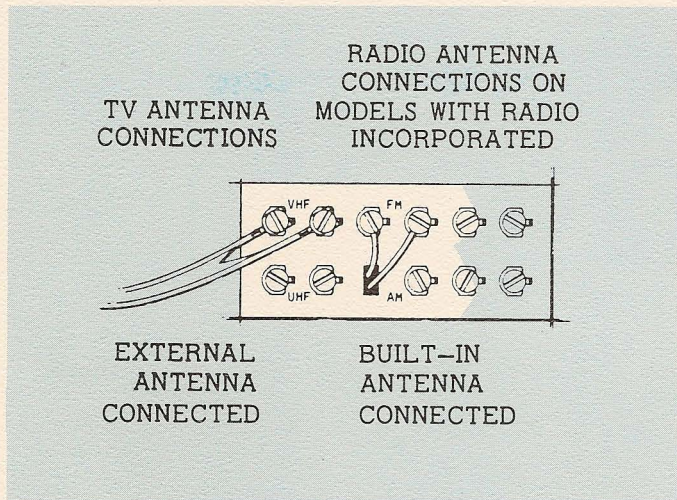
Optional Magnavox remote speaker systems let you fill your entire home with beautiful music. Contact your Magnavox dealer for specifications and prices on these speaker systems that can be readily attached to your instrument.

### ANTENNA

The picture on your TV screen can only be as good as



the signal received. Your antenna system receives the signal and therefore is an important factor of clear reception. This is also true of radio reception. The built-in FM antenna incorporated in your Magnavox instrument will provide excellent local reception in many areas. However, for very finest results, an outdoor antenna is recommended. If a new antenna is desired, your Magnavox dealer can recommend and install the proper type for your area. Whenever an antenna other than the built-in antenna is used the built-in antenna should be disconnected.



## CABINET CARE . . .

You have invested in a fine piece of furniture, designed and built by Magnavox to the very highest standards of the furniture industry.

Up to nine coats of tested finishes are applied to each genuine wood cabinet and hand rubbed to a smooth, lustrous finish.

Nature creates but never duplicates. However, variations in natural figure and color tones constitute the inherent beauties of wood. No two trees are identical in these respects. Quite naturally these inherent beauties and differences go into furniture by way of woods used in the making of furniture. Time and light will change color tones of woods and finishes, just as the woodwork of your home continues to change. Even though we use the best finishing materials known to the industry we cannot guarantee fastness of color for the foregoing reasons.

Keep your cabinet clean and polished to retain the beauty of the finish. Use a slightly dampened cloth to clean the cabinet and dry it thoroughly with a clean dry cloth. Apply an occasional coat of Magnavox furniture polish, with a clean dry cloth, free of other chemicals or cleaning agents. Avoid using polish containing detergents or alkaline bases.



## RECORD CARE . . .

With all of the precision and care that has been employed in the design and manufacture of this instrument, phonograph reproduction can be no better than the quality of the phonograph record itself. A record that is warped, scratched or otherwise damaged or is not free of surface dust will not provide accurate transfer of the recorded music it contains. Give your high fidelity records all the care that a precision made product deserves.

When this instrument is not in use, all records should be removed from the record spindle. If records are permitted to remain on the spindle for any length of time other than during normal operation of the instrument they may become warped.

When storing records they should either be placed in their albums or laid flat on an even surface. A record should never stand on end unless it is in an album; otherwise it may warp. Most present day records are housed in a protective envelope and a cardboard album jacket. Records should be kept in their envelopes when not in use to keep them dust-free and protect the grooves from scratches and abrasions. Extra protective envelopes can be purchased from your music dealer.

Periodically clean your records by gently wiping the grooves with a water-dampened soft lint-free cloth. Also, periodically check and remove any accumulated dust or lint from around the needle.

## MAINTENANCE . . .

Your new Magnavox Color instrument has been designed to give long, dependable operation. All components operate well within their ratings, providing a high safety factor. However, excessive heat can seriously damage many of the components in your instrument. Perforations in the bottom and on the back of the instrument provide adequate ventilation to prevent such damage. When locating the instrument in your room, avoid warm air outlets or built-in arrangements which would restrict airflow in and around the perforations.

If your Magnavox Color instrument requires service, contact your factory authorized Magnavox dealer or his service agent. Factory trained service men, completely experienced in the repair of Magnavox instruments, can quickly and efficiently correct your problem. Insist on genuine Magnavox parts as they assure you of factory-engineered performance.



## CUSTOMER SERVICE HINTS . . .

Before Calling The Serviceman, Please Check The Following:

1. If the set is completely inoperative, check the wall outlet or push in and release the reset button on the rear of your set.
2. If the color changes when scenes or cameras are switched, the effect is in the various cameras used in transmission and no correction is possible at your set.
3. If it is impossible to get good color or flesh tones on some shows, it is either poor camera work or faulty transmission and cannot be correct at your set.
4. In the instance of poor color reception, check the antenna connections at the rear of your set.
5. For the best results, view color programs in subdued light at a distance of at least 6 to 8 feet from the set.
6. Do not operate Contrast control at its maximum setting as this will impair the action of the Color and Tint controls.



## ASTRO-SONIC COLOR STEREO THEATRE WARRANTY

All Magnavox instruments identified as Astro-Sonic Color Stereo Theatre models are guaranteed against defects in materials and workmanship of parts in the radio-amplifier chassis, for five years, the picture tube for two years and all other tubes and parts for one year and the diamond stylus against excessive wear for ten years from the date of installation to the original purchaser. Initial installation and repair service required during the first three months after installation will be furnished without charge.

The Company has agreed through its dealers for the replacement, as herein set forth, of tubes and parts which prove to be defective within the applicable warranty period, provided that such defect is brought to the attention of the Magnavox dealer either from whom the instrument was purchased, or in your new service area if you have moved. A worn stylus will be replaced when presented to the Magnavox dealer together with the Magnavox Diamond Stylus Certificate, provided that his examination discloses a degree of wear that would cause distortion and/or excessive record wear. If stylus is to be replaced in the instrument itself after the first three months, a reasonable labor charge will be made for such added service.

Replacement parts are guaranteed only for the remainder of the original applicable warranty period.

Magnavox instruments are sold only through carefully selected dealers of recognized integrity and the company's guarantee applies only to instruments which have been purchased from authorized dealers and is limited to normal usage of the instruments.

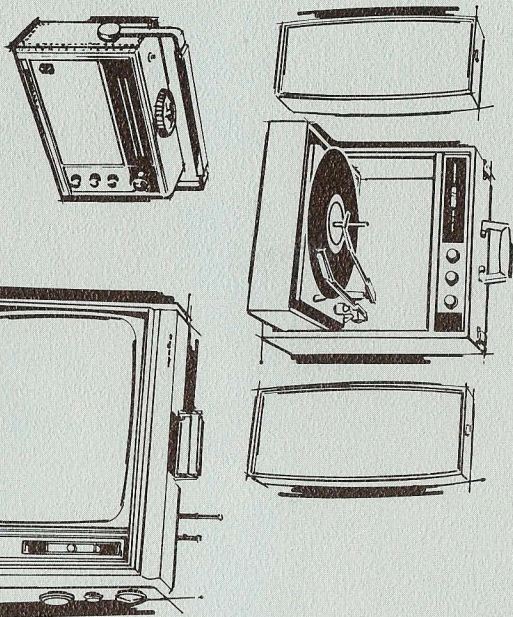
NOTICE TO CUSTOMER: Your Magnavox Dealer will register the Warranty on this instrument. You will receive a Warranty Certificate from Magnavox when your instrument is delivered. If you do not receive this Certificate within the time specified in the Magnavox Company's Warranty, Request for Payment, P.O. Box 100, Camden, N.J. 08105.

IB 2545-1



# Portables . . . listening and viewing at home or away!

New from Magnavox . . .



See, Hear and Compare . . .  
to discover the listening and  
viewing pleasure you've  
been missing.

CUT HERE

## IMPORTANT RETAIN THIS CERTIFICATE

MODEL NO.

SERIAL NO.

DATE INSTRUMENT INSTALLED

CUSTOMER NAME

DEALER

ADDRESS

ADDRESS

CITY & STATE

CITY & STATE

AUTHORIZED SIGNATURE

REPLACEMENT STYLUS FURNISHED WITHOUT CHARGE

DATE

CUSTOMER  
SIGNATURE

FACTORY  
ENDORSEMENT



THE **Magnavox** COMPANY

FORT WAYNE, INDIANA

- MAGNACOLOR TELEVISION
- ASTRO-SONIC STEREO CONSOLES
- HIGH FIDELITY TELEVISION
- TV-STEREO COMBINATIONS
- MAGNA-SONIC PORTABLE STEREOS
- PORTABLE TV
- TAPE RECORDERS
- TRANSISTOR RADIOS
- FM/AM RADIOS
- COMPONENT SYSTEMS

WORLD LEADER IN STEREO HIGH FIDELITY AND  
QUALITY TV . . . PRECISION ELECTRONICS FOR  
INDUSTRY AND GOVERNMENT

## Magnavox

### DIAMOND STYLUS SERVICE CERTIFICATE

If stylus replacement is required due to excessive wear as provided under the terms of the Magnavox warranty, this certificate must be validated by the dealer at the time the worn stylus is presented to him for replacement.

When the dealer provides a replacement Magnavox stylus, he will send this certificate to The Magnavox Company for endorsement, after which it will be returned to you.

To the Dealer: When requested, furnish the customer with a receipt for this certificate when it is surrendered for warranty endorsement.

M 62328



# ADDITIONAL CHECK LIST FOR INSTANT AUTOMATIC COLOR TV MODELS

## COMPLAINT

## CORRECTION

Automatic Tuning stops on unwanted VHF channels.

Depress Fine Tuning knob and tune out unwanted signal. The Automatic Tuning switch on back of set should be ON.

\* Automatic Tuning skips operating VHF channels.

Depress Fine Tuning knob and pre-set for best picture.

\* Automatic Tuning skips operating UHF channels.

Check to be sure Instant Automatic Color is in ON position.

Hand Transmitter controls inoperable, but Power Tuning buttons are operable.

Check to be sure Remote ON-OFF is in ON position. Check battery in Hand Transmitter.

\* Automatic Tuning may skip both operating VHF and UHF channels if the Power Tuning buttons or Remote Transmitter buttons are held too long. Only a momentary touch is required to actuate the mechanism.

Should service be required on the remote receiver or transmitter, the Remote On-Off switch when placed in the Off position will allow you to operate the instrument manually until a service technician arrives.

EL 2233-2



# MagnaColor TV

## CUSTOMER SERVICE GUIDE

BEFORE CALLING FOR SERVICE PLEASE CHECK THE FOLLOWING:

### COMPLAINT

### CORRECTION

Receiver completely inoperative.	Check wall outlet. Push in reset button on rear of receiver.
Lack or fuzziness of color.	*Advance COLOR Control, adjust fine tuning control for best color picture.
Faces green or purple.	Adjust TINT Control for most natural flesh tones.
Faces too red.	Retard COLOR Control, adjust TINT Control for most natural flesh tones.
Color changes when scenes or cameras are switched.	Differences within the various cameras used. No correction possible at set.
Impossible to get good color or flesh tones on some shows.	Poor camera work or faulty transmission. No correction possible at set.
Muffled or distorted sound.	*Adjust fine tuning control.
Poor color reception.	**Check antenna connections on rear of receiver.

For best results, view color programs in subdued light at a distance of at least 6 to 8 feet from the receiver. Do not operate CONTRAST control at its maximum settings as this will impair the action of the COLOR and TINT controls.

\*On models which incorporate Automatic Color, stations are accurately tuned when the Automatic Color Switch is in it's ON position. To minimize interference on weak or distant channels, slide the Automatic Color Switch to OFF and adjust fine tuning control for best picture.

\*\*One cause for poor color reception is a faulty antenna system. Quite often an antenna which will produce good black and white reception, will produce poor color reception. Have your serviceman check to be sure your antenna system is in good order and that you have the proper one for your area.