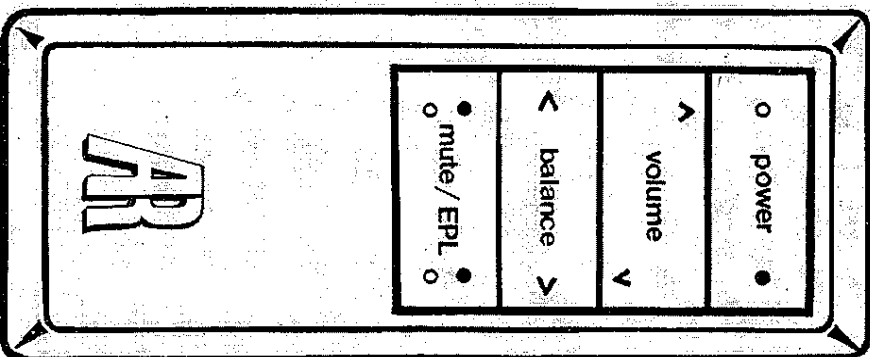
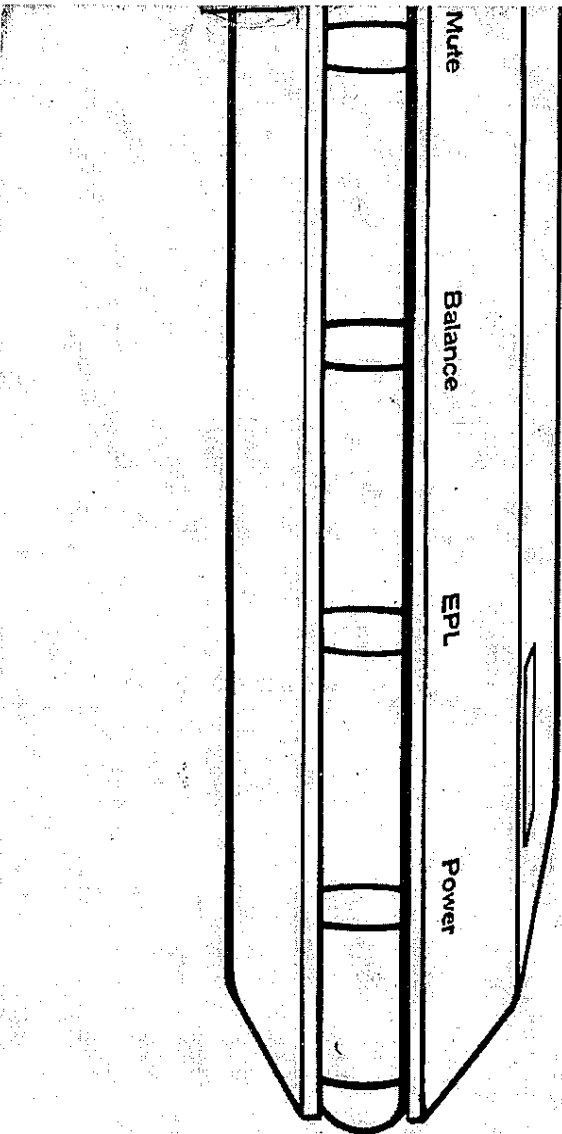


STEREO REMOTE CONTROL

AR SRC OWNERS MANUAL



Features and Controls

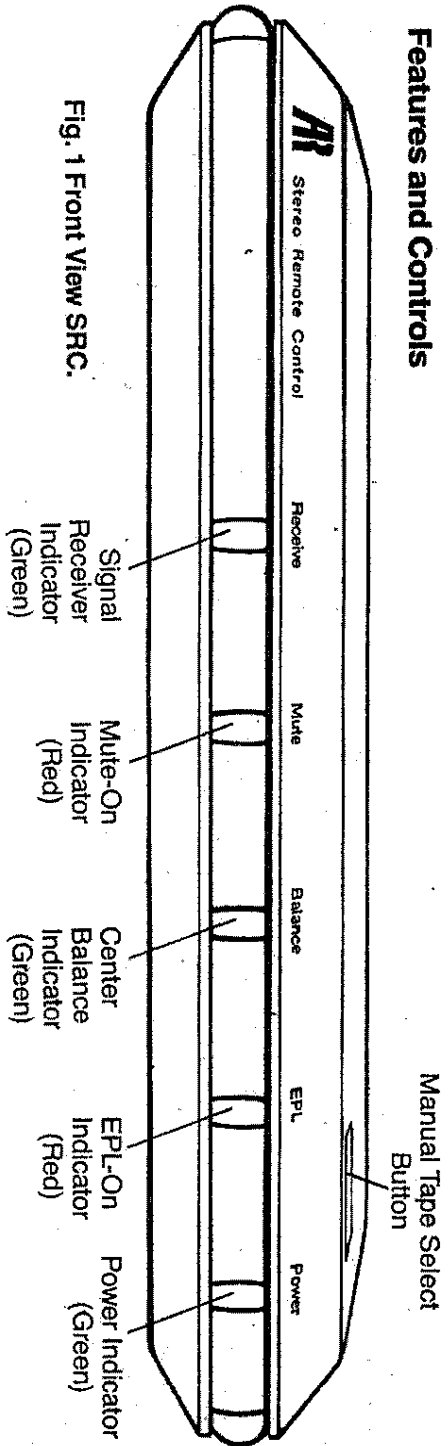


Fig. 1 Front View SRC.

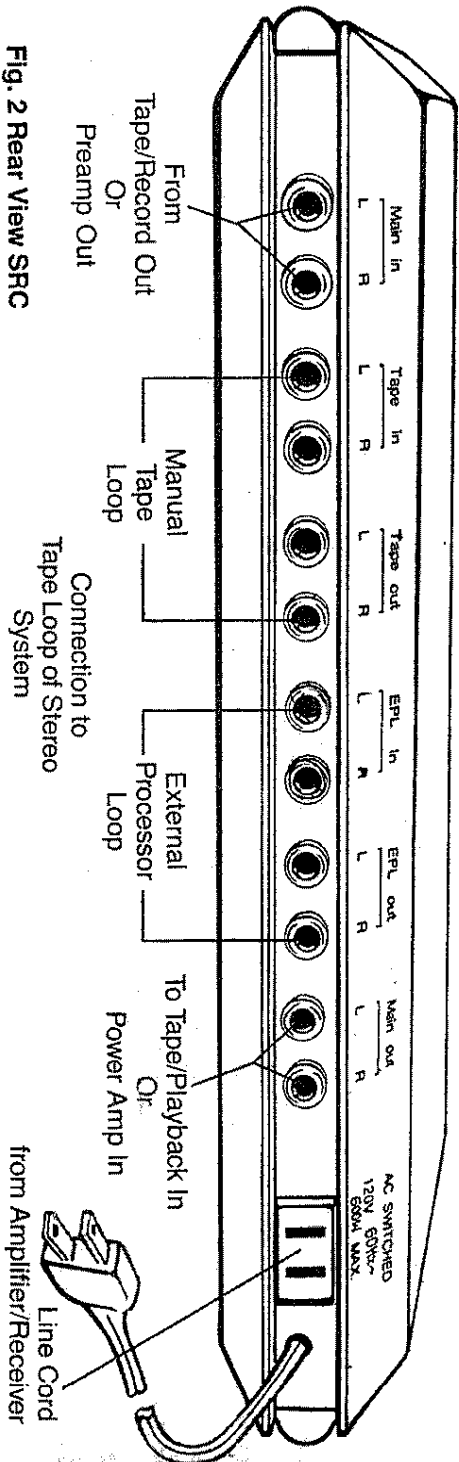


Fig. 2 Rear View SRC

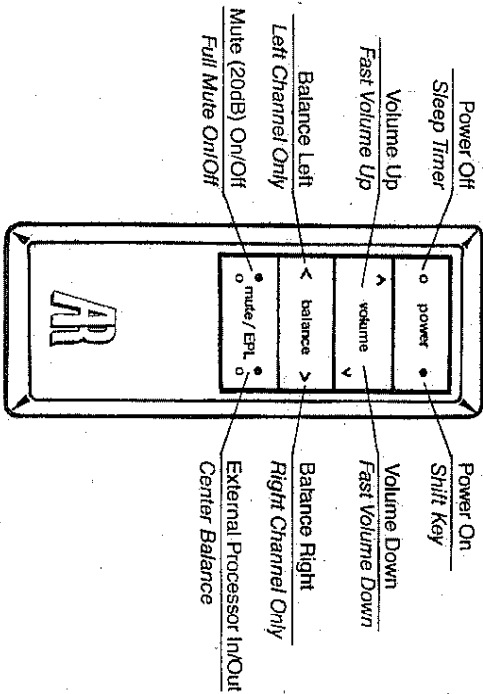


Fig. 3 Front View
Handheld Remote Keyboard

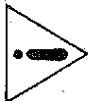
Connecting the SRC to Your Stereo System

Refer to Fig. 2 for a diagram of the connectors on the rear of the AR-SRC. Be sure all power is turned off to your stereo system. Connect one of the two stereo patch cables supplied to the "Main In" jacks on the SRC, and the second set of supplied cables to the "Main Out" jacks on the SRC. If you have a tape recorder connected to your stereo system and have no other tape loop available, you should disconnect the tape recorder and reconnect it to the SRC as described below. Connect the cable from the "Main In" jacks of the SRC to the "Record Out" jacks on your amplifier or receiver, and the cable from the "Main Out" jacks on the SRC to the "Playback In" jacks on your amplifier/receiver. If you wish to connect your AR-SRC between a preamp and a power amp, simply connect the preamp output to the "Main In" of the SRC, and the "Main Out" of the SRC to the power amplifier input. In all connections be sure to connect Right Channel to Right Channel and Left to Left in order to maintain proper stereo orientation when using the SRC Balance Control.

If you disconnected a tape deck from your amplifier/receiver, you may now connect it directly to the SRC by connecting the "Playback Out" of the tape deck to either the "EPL In" (Remote Select) or "Tape In" (Manual Select) of the SRC, then connect the "Record In" of the tape deck to the "Out" of the same circuit.

In order for you to use the Power On/Off feature of the SRC, it will be necessary for you to plug your system into the switched outlet on the back of the SRC. This is usually done by plugging the amplifier/receiver into the SRC and then using the outlets on the back of the amplifier/receiver for other components which are to be controlled.

IMPORTANT NOTE: The total wattage being switched on and off by the SRC should not exceed 600 watts or 5 amps. This total is calculated by adding the power ratings listed on the rear panels of all devices to be switched by the SRC. Switching electrical loads in excess of 600 watts will result in reduced life expectancy of the relay switch in your SRC, and could constitute a safety hazard. High wattage power amplifiers should be plugged directly into a wall outlet.



Wiring the External Processor Loop

The External Processor Loop on the SRC is a remotely selectable tape loop which can be used for any line level accessory. For example, the EPL circuit can be used to remotely switch devices such as the following into the system: equalizer, video disc player, video cassette recorder, noise reduction device, compressor/expander, electronic subwoofer, tape deck, or separate tuner. This can be accomplished with the simple touch of a button on the SRC Remote Handset. To connect a device to the External Processor Loop, simply connect the output of the accessory device (External Processor) to "EPL In" and the "EPL Out" to the input of the accessory device (External Processor). Signal sources such as tuners and compact disc players do not require connection to the "EPL Out" jacks. These jacks may be left unconnected.

Wiring the Tape Monitor Loop

The Tape Monitor Loop on the SRC is a manually selectable tape loop which replaces the tape loop used on your amplifier/receiver to interface with the SRC. If you disconnected a tape deck from your system in order to connect the SRC, you may reconnect it to the "Tape Monitor Loop" of the SRC by connecting the output of the tape deck to the "Tape In" connections of the SRC and the "Tape Out" connections of the SRC to the Record input of the tape deck. In order to use your tape deck, simply depress the Tape Select button on the top of the SRC.

The Tape Monitor Loop may also be used as a manually operated tape loop for any other line level accessory such as those listed in the External Processor Loop section of this manual.

Operation of the SRC

Before operating the SRC you must make some adjustments to your amplifier/receiver control settings. First, plug the power cord of the SRC into a convenient wall outlet. The SRC will respond with a click, and the indicators on the front will flash on for about one second.

The SRC is now ready to receive commands from the handset. Turn your system on by pointing the handset at the front of the SRC main unit and pushing the Power On button. The SRC will respond by turning the power on to your stereo system, and lighting the green "Power" indicator, green "Balance" indicator, and red "Mute On" indicator. Turn off the tape monitor function on your amplifier/receiver to bypass the SRC, and select a source signal such as FM. Adjust the volume control on your system to the maximum volume level you will desire whenever using the SRC to control your system.

CAUTION: Avoid setting the receiver or preamplifier volume control to its maximum setting. Accidental removal of the SRC from the circuit while the volume control is advanced beyond normal listening levels could damage your loudspeakers!

The balance control on your amplifier should be set at its center position since the balance function will now be accomplished by the SRC.

Once these adjustments have been made, select the tape monitor function on your amplifier/receiver to re-connect the SRC to your system. As long as this tape monitor function on your amplifier/receiver is selected, you should use only the SRC to control volume, balance, and on/off functions of your stereo system.

Your SRC is designed to remember volume, balance and EPL switch position when it is turned off, as long as the power cord remains connected to the wall outlet. However, when the unit is first plugged in, or in the event of a power failure, it has the following settings already stored:

- Mute is on.
- Volume is all the way down.
- Balance is centered.
- EPL is off.

When you first use the SRC, you must turn off the "Mute" then press the "Volume Up" key for 10 seconds or so, until the volume is at the level you want.

CAUTION: Prior to turning off the tape monitor function on your amplifier/receiver, turn the volume control down to avoid accidental excessive volume levels.

Use of the Remote Handset

Be sure the SRC Tape Monitor is Off (button out). The Remote Handset which is packed with the SRC is a battery-operated infrared transmitter. To install or replace the 9-volt battery (supplied with your SRC) in the Remote Handset, simply press down on the battery cover and slide out in the direction of the arrow. Snap the cap onto the battery, insert it into the battery compartment and slide the cover back into place.

The Handset controls 15 functions as indicated in Fig. 3. The functions shown in bold type are activated by simply depressing the indicated control button. The functions shown in italics are activated with two keystrokes by depressing the "Power On" and indicated second key within two seconds. This two-second period is shown by the green "Receiver" indicator on the front panel of the SRC. The following is a brief description of each of the 15 functions available on the SRC remote handset:

Power On

—depressing the "Power On" button activates the SRC Power Relay and turns on the power to your stereo system.

"Shift Key"

—if the "Power On" key is depressed when the SRC is already on, it acts as a shift-key used in conjunction with any other key on the handset.

Power Off

—depressing the "Power Off" button deactivates the SRC Power Relay and turns off the power to your stereo system. All control settings including full mute are retained while the power is off.

Sleep Timer

—"Shift Key" followed by Power Off activates a 30-minute sleep timer which will automatically turn off your stereo after 30 minutes. The green "Receiver" light blinks rapidly to indicate the Sleep Timer is activated. Depressing any other key will deactivate the Sleep Timer.

Volume Up (^)

—depressing this key and immediately releasing it will increase the volume level of your stereo in 1.5 dB steps. Holding the key down will increase the volume gradually.

Fast Up

—"Shift Key" followed by Volume Up —holding down the Volume Up key after depressing the "Shift Key" will increase the volume rapidly.

Volume Down (v)

—depressing this key and immediately releasing it will decrease the volume level of your stereo in 1.5 dB steps. Holding the key down will decrease the volume gradually.

Fast Down

—"Shift Key" followed by Volume Down —holding down the Volume Down key after depressing the "Shift Key" will decrease the volume rapidly.

Balance Left (<)

—depressing the Balance Left key and releasing it immediately will result in a 1.5 dB shift in stereo balance to the left. Holding the key down will result in a slow balance shift to the left.

Left Only

—"Shift Key" followed by Balance Left —depressing the Balance Left key after depressing the "Shift Key" will result in left channel only operation.

Balance Right (>)

—depressing the Balance Right key and releasing it immediately will result in a 1.5 dB shift in stereo balance to the right. Holding the key down will result in a slow balance shift to the right.

Right Only

—"Shift Key" followed by Balance Right —depressing the Balance Right key after depressing the "Shift Key" will result in right channel only operation.

Operational Note: Whenever the extremes of either volume or balance ranges are reached, the green "Receive" light will go out and no further commands in that direction will be accepted. The green "Balance" indicator will light whenever the balance is centered, i.e., the left and right channel gains are equal.

Mute

—depressing the Mute key will result in an instant 20 dB reduction in volume level. Depressing the key a second time will remove the Mute and restore volume to its previous level.

Full Mute

—"Shift Key" followed by Mute —depressing the Mute key after depressing the "Shift Key" will result in complete reduction of volume. Depressing the Mute key a second time will remove the Mute and restore volume to its previous level. When either 20 dB or Full Mute is activated, the red "Mute" light will be on.

Operational Note: Volume levels may be decreased while the mute is activated, but the mute must be turned off to increase the volume level. When the stereo system is "powered on" a 20 dB mute is automatically activated to protect your stereo system from accidental excessive volume levels. Simply press the Mute key to restore the system to the previously set volume.

EPL

—depressing the EPL key switches the External Processor Loop in. Any device which is connected to the EPL connections on the back of the SRC main unit will be switched into the circuit. Depressing

the EPL key a second time will switch out the External Processor Loop. The red "EPL" light will be on whenever the EPL is selected.

—"Shift Key" followed by EPL —depressing the "Shift Key" then depressing the EPL key will automatically return the Stereo Balance to its center setting.

Center Balance

—"Shift Key" followed by EPL —depressing the "Shift Key" then depressing the EPL key will automatically return the Stereo Balance to its center setting.

Trouble-shooting guide

In the unlikely event that your SRC should fail to operate properly, follow the trouble-shooting steps below to make certain that the SRC is actually malfunctioning prior to obtaining service.

- 1) If either red indicator is lit on the front of the SRC, depress the appropriate keys on the Handset.
 - 2) Make sure Tape Monitor function is selected on your amplifier/receiver and amplifier volume control is turned up.
 - 3) Make sure Tape Select button on the top of your SRC is not depressed.
 - 4) Check to be sure power cord is connected.
 - 5) Check and clean all connections between the AR-SRC and stereo system.
 - 6) Check battery in Handset.
 - 7) If the AR-SRC is used in close proximity to devices which emit radio frequency noise, such as light dimmers, computers, or amplifiers with switching power supplies, the resulting interference can cause the AR-SRC to not accept commands. Turn off all such devices and check the AR-SRC for proper operation. If this test indicates such interference is causing the AR-SRC to malfunction, the AR-SRC should be moved away from such devices.
- If you determine that your AR-SRC is malfunctioning, refer service to a qualified service technician. A list of Authorized Factory Service Centers is packed with your AR-SRC.

Warranty — 1 Year Limited

Acoustic Research warrants that the AR-SRC shall be free of defects in materials and workmanship for a period of 1 year from the date of purchase. The warranty covers parts and labor for the first 90 days of the warranty period and parts only for the remainder of the warranty period.

Legal Rights: This warranty gives you specific legal rights and you may have other rights which vary from state to state. The liability of Acoustic Research will be limited to the purchase price of the product, and Acoustic Research will not be liable for any incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

Exceptions and Exclusions: The AR-SRC warranty does not cover damages caused by abuse, misuse, accidents or improper wiring.

To Obtain Warranty Service: In order to obtain warranty service, address written notice of the supposed defect to Teledyne Acoustic Research, 10 American Drive, Norwood, MA 02062. Include a COPY (not the original) of your bill of sale with your letter. Alternatively, you may contact a local or convenient Authorized Service Agency directly. A list of all Service Agencies authorized to perform in-warranty service on AR products is packed with your AR-SRC. This list is also available on request from Acoustic Research.

NOTE: AR reserves the right to change the equipment described herein without notice.

Maintenance

Your AR-SRC has been carefully designed to look as good as it performs. A soft cloth is usually all that is necessary to keep the unit dust-free. Should the cabinet become soiled or fingerprinted, use a soft damp cloth with mild soap to clean it. Never use an abrasive cleaner on any part of this product.

AR SRC

Specifications (typical)

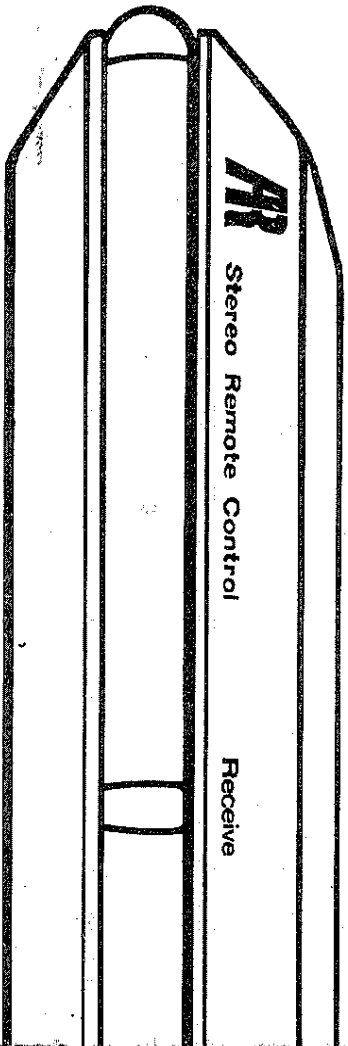
Functions: 15
Operating Distance: 40 feet nominal
Inputs: Main, Tape Monitor, EPL Return
Outputs: Main, Tape Record, EPL Send
Visual Indicators: Power On, Receiving, Mute On, Balance Centered, EPL Selected
Manual Control: Tape Monitor
Attenuation Range: 0 to 75 dB plus full-off (>85 dB)
Attenuation Step: 1.5 dB
Attenuation Accuracy: .5 dB to -30 dB, 1 dB below -30dB
Clipping Level: 4.5 Volts peak input
Noise: >95 dB below 1 Vrms, A Weighted; Noise decreases with increasing attenuation

T.H.D.: .01% or less, 1 Vrms, 20 to 20 KHz
SMPT E.I.M.: 95 dB below, 1 Volt Peak
Frequency Response: 6 Hz to 60 KHz \pm .25 dB; any attenuation to -50 dB
Off-Input Feathrough: 75 dB or better below 1 Vrms, any frequency
Input Impedance: 100K ohm, selected input .33K ohm, non-selected input
Output Impedance: 330 ohm, main output 220 ohm plus source, Tape and EPL outputs
Power Consumption: 6 watts at 120 Vac
Battery Life (hand unit): 1 year typical

(Note: all specifications valid at 0 dB attenuation and at any audio frequency unless otherwise noted.)
Since it is the policy of Acoustic Research to continuously incorporate engineering improvements into its products, all specifications are subject to change without notice.

SAFETY INSTRUCTIONS

1. Read Instructions — All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions — The safety and operating instructions should be retained for future reference.
3. Heed Warnings — All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions — All operating and use instructions should be followed.
5. Water and Moisture — The appliance should not be used near water, for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.
6. Ventilation — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or placed in a built-in installation, such as bookcase or cabinet that may impede the flow of air through the ventilation openings.
7. Heat — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
8. Power Sources — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
9. Power Cord Protection — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
10. Cleaning — The appliance should be cleaned only as recommended by the manufacturer.
11. Nonuse Periods — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
12. Object and Liquid Entry — Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
13. Damage Requiring Service — The appliance should be serviced by qualified service personnel when:
 - A) The power supply cord or the plug has been damaged; or
 - B) Objects have fallen or liquid has been spilled into the appliance; or
 - C) The appliance has been exposed to rain; or
 - D) The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - E) The appliance has been dropped, or the enclosure damaged.
14. Servicing — The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.



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