

SATELLITE HARVARD ELITE User's Manual

Model AT2001

Please keep instructions with equipment

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**START
HERE****RED**

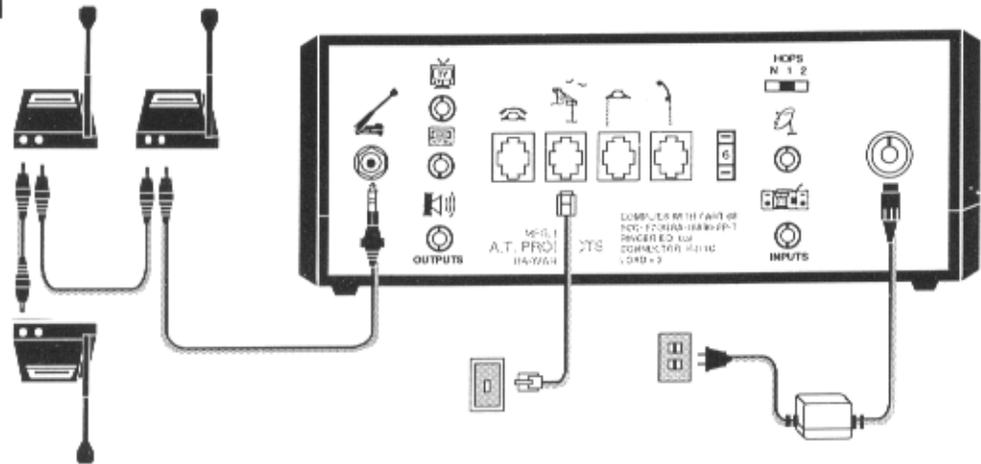
Set-Up Instructions for AT-2001 ONE-WAY VIDEO / TWO-WAY AUDIO PROGRAMS

Via: Satellite/ITFS/Microwave/Cable

1 TELEPHONE HOOK-UP

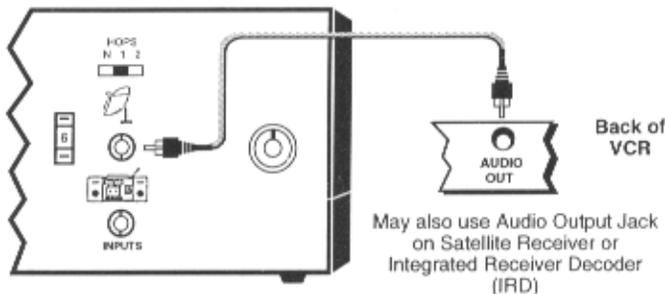
Connect the system to single-line (analog) telephone line and AC Power source as shown. Plug in Microphone(s).

Make sure all locking Microphones are in the "OFF" position.



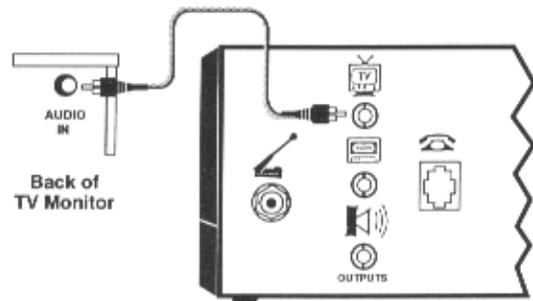
2a SATELLITE CONNECTION

Connect the Program Audio from the "Audio Output" jack on the back of the VCR to the "Satellite" input jack as shown.



2b

Connect the "TV Monitor" output jack to the "Audio In" jack on back of TV monitor.



FRONT PANEL CONTROLS

ON/OFF - (ON LINE/OFF LINE) When activated (light "ON"), dial tone is heard.

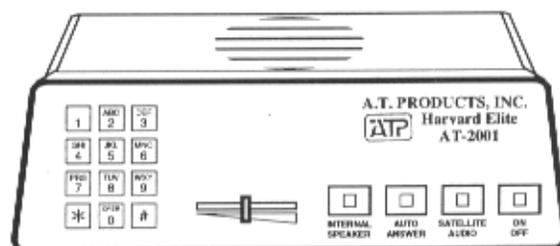
DIAL PAD - Turn unit "ON", then dial number.

INTERNAL SPEAKER - Turns internal speaker ON and OFF. When activated (light "ON"), system's internal speaker is heard. When de-activated (light "OFF") internal speaker is not heard.

SATELLITE AUDIO - Satellite Audio button must be activated (light "ON") to hear the broadcast audio. The Satellite Audio button enables the muting feature to prevent echo/feedback problems. When de-activated (light "OFF"), phone line audio is heard (broadcast audio is not heard).

AUTO ANSWER - When activated (light "ON") unit will automatically answer incoming calls after one ring. When de-activated (light "OFF") incoming calls will ring. Activate ON/OFF button to answer call.

VOLUME CONTROL - Adjusts volume level of internal speaker and external speaker output jack.



COMPLETED CONNECTION

4a SATELLITE CONNECTION

To make a call:

- 1.) Make sure Satellite Audio button is "OFF" (light "OFF").
2. Make sure Internal Speaker button is "ON" (light "ON").
- 3.) Turn ON/OFF button "ON" (light "ON").
- 4.) Listen for dial tone. Dial using Key Pad.
- 5.) Make sure Receive level is good (listen through speaker); make sure Transmit level is good for person on the line (talk through microphone).
- 6.) Activate Satellite Audio button (light "ON") to hear broadcast audio.
- 7.) IF remaining On-Line for entire broadcast,

STOP HERE!

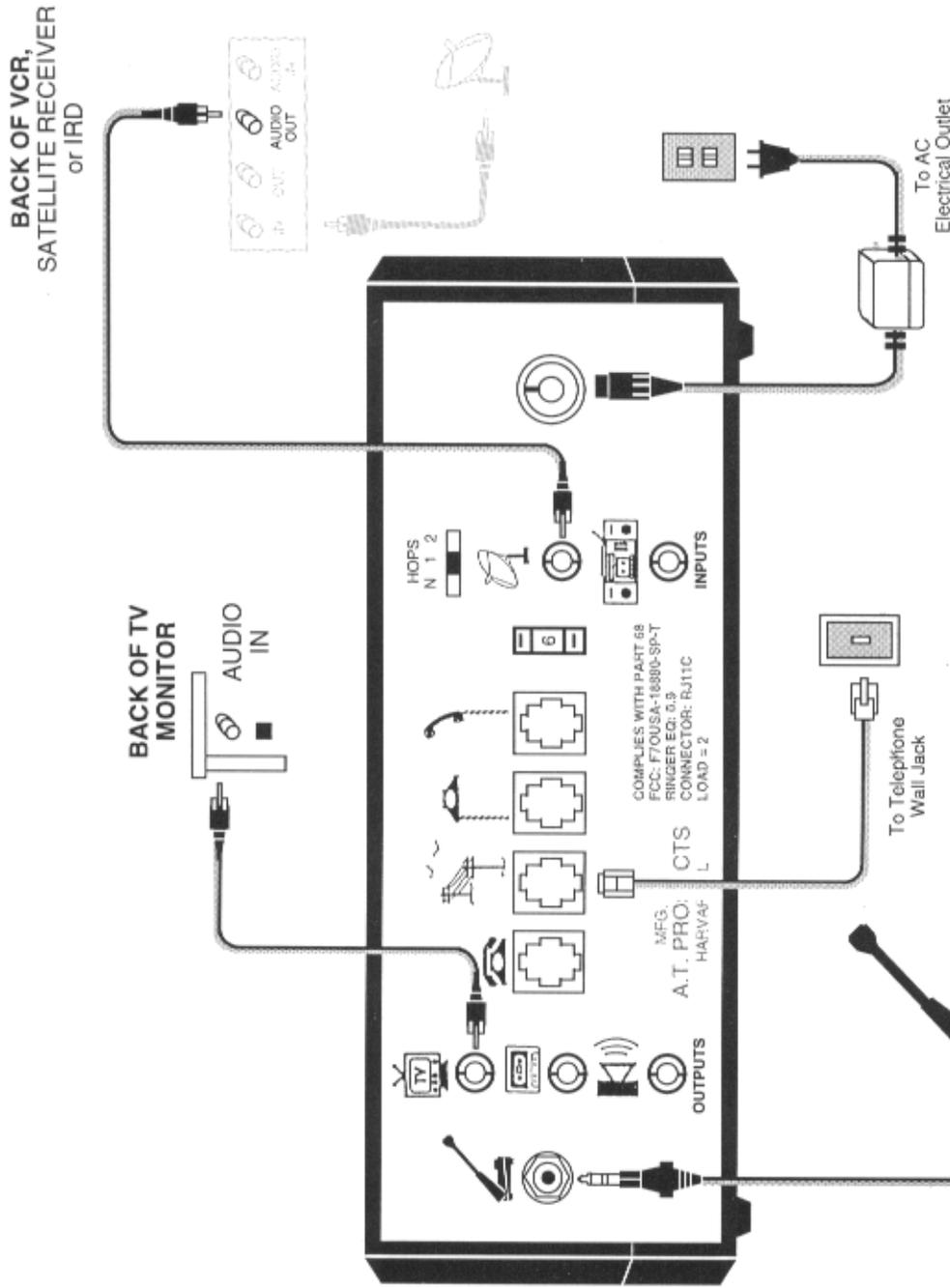
SET-UP IS COMPLETE!

If **NOT** On-Line for the whole broadcast, de-activate phone line (turn ON/OFF button "OFF"), and proceed to Step b.

When told by the Studio to call for questions, **OR** to re-establish the call to the Studio:

- 1.) De-activate Satellite Audio button (light "OFF").
- 2.) Turn unit "ON" (ON/OFF light "ON"). Make sure there is a dial tone.
- 3.) Dial phone number using Key Pad.
- 4.) After voice contact and site identification, re-activate Satellite Audio button (light "ON"). This will allow you to hear, and talk with the Studio.

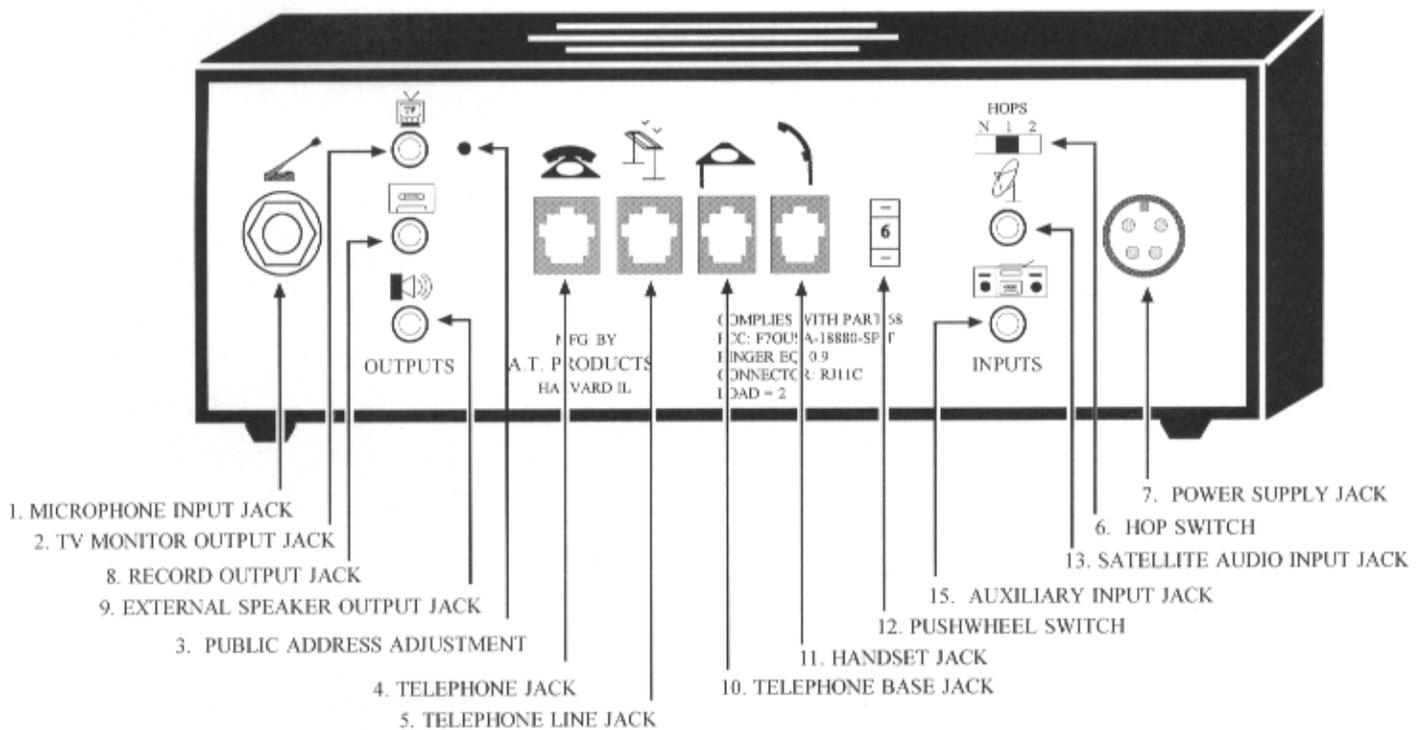
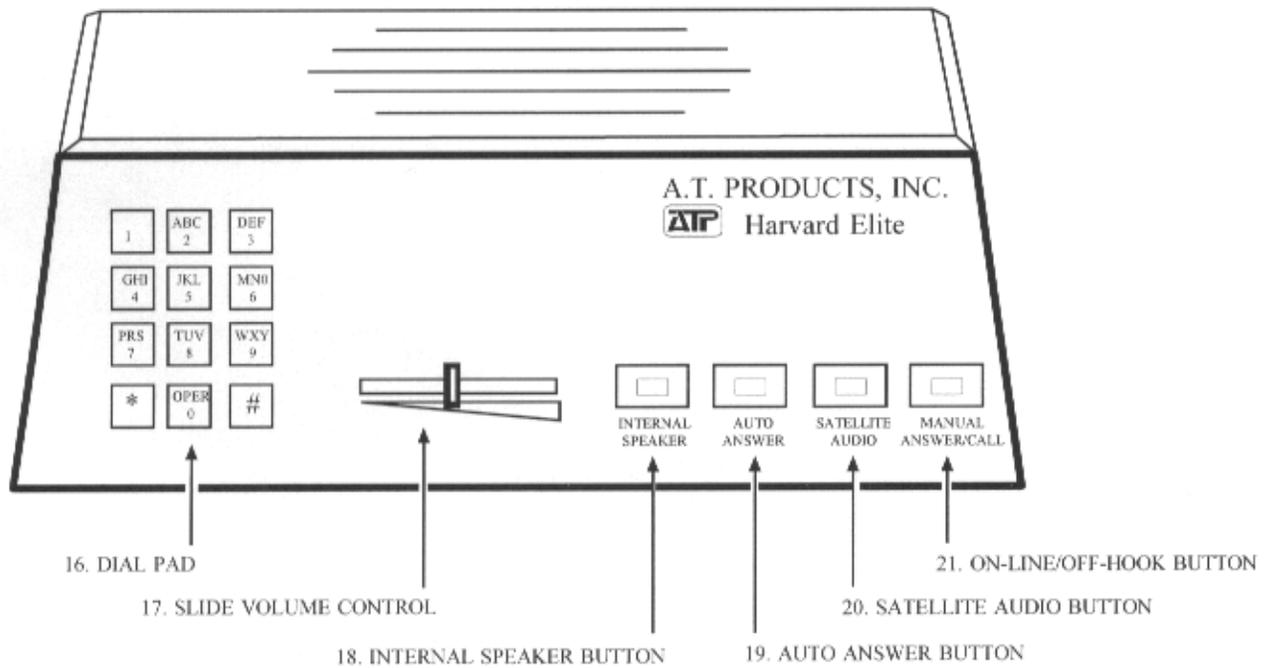
Set-up is complete!



Use TV Monitor Controls to set Volume level.

NOTE: VCR must be turned on and tuned to the proper channel (as if you were taping the conference from the VCR) to hear the broadcast audio.

ATP A.T. Products, Inc.
OPERATING CONTROLS



OPERATING CONTROLS

1. **MICROPHONE INPUT JACK**
Microphone plugs into this jack. (1/4" phone jack, 3-conductor, stereo, 250 ohm/unbalanced)
2. **TV MONITOR OUTPUT JACK**
"Line-level" output for connecting to monitor or auxiliary speaker system. (RCA style phono jack)
3. **PUBLIC ADDRESS ADJUSTMENT**
Receded control adjusts the microphone level heard out the internal speaker. This adjustment also affects mic level at TV Monitor jack and External Speaker jack. (Clockwise turn increases level.)
4. **TELEPHONE JACK**
For analog (single-line) telephone connection; telephone plugs into this jack for private conversations and/or if system does not have a dial pad. (RJ11 style jack)
5. **TELEPHONE LINE JACK**
For analog (single-line) telephone connection; telephone cord from the wall jack connects here. (RJ11 style jack)
6. **HOPS SWITCH**
Adjustment for the amount of delay needed to eliminate echo/feedback:
 - N POSITION
Use with Cable, Microwave, ITFS, etc.
(Types of transmissions not requiring delay)
 - 1 POSITION
Use for 1 hop Satellite transmission.
 - 2 POSITION
Use for 2 hop Satellite transmission.
7. **POWER SUPPLY JACK**
Power transformer plugs into this jack and into a working 120 VAC electrical outlet.
8. **RECORD OUTPUT JACK**
Low level output for connecting to a tape recorder or a sound system for reinforcement. (6Kohms/unbalanced, -33dBm, RCA style phono jack)
9. **EXTERNAL SPEAKER OUTPUT JACK**
Output for connecting to auxiliary speaker system. Levels are adjustable by the Slide Volume control (receive) and Public Address Adjustment (transmit). (RCA style phono jack)
10. **TELEPHONE BASE JACK**
For digital (multi-line) telephone connection; telephone base plugs into this jack. (RJ13C style jack)
11. **HANDSET JACK**
For digital (multi-line) telephone connection; handset plugs into this jack. (RJ13C style jack)
12. **PUSHWHEEL SWITCH**
Adjustment for digital (multi-line) telephone connection; setting affects microphone transmit level going out phone line. (Level increases as number increases; too high of a setting may result in voice distortion.)
13. **SATELLITE AUDIO INPUT JACK**
Input for connecting to the Audio-Out of VCR, satellite receiver (IRD) or TV monitor. (RCA style phono jack)
14. **SATELLITE AUDIO INPUT ADJUSTMENT**
Receded control adjusts the signal level at the Satellite Audio input jack. Adjustment affects the satellite receive/transmit switching sensitivity, except on True Push-to-Talk systems. (Clockwise turn increases level.)
15. **AUXILIARY INPUT JACK**
Input for connecting to a tape player or microphone mixer. (RCA style phono jack)
16. **DIAL PAD**
Standard key pad for use with analog (single-line) telephone connection.
17. **SLIDE VOLUME CONTROL**
Volume adjustment for audio level heard from Internal Speaker and at External Speaker Output jack.
18. **INTERNAL SPEAKER BUTTON**
Button controls internal speaker. When activated (light "ON"), system's internal speaker is heard. When de-activated (light "OFF"), internal system speaker is not heard.
19. **AUTO ANSWER BUTTON**
Button controls auto answer feature. When activated (light "ON"), incoming calls are automatically answered after one ring. When de-activated (light "OFF"), incoming calls ring until answered by activating the ON/OFF button.
20. **SATELLITE AUDIO BUTTON**
Button controls satellite and phone-line audio. When activated (light "ON"), broadcast audio is heard, phone line audio is not heard. When activated, the Satellite Audio button enables the muting feature, preventing echo/feedback problems. When de-activated (light "OFF"), phone line audio is heard, broadcast audio is not heard.
21. **ON LINE/OFF HOOK BUTTON**
Button controls whether system is On-Line or Off-Hook. When activated (light "ON"), dial tone is heard and calls can be made. When de-activated (light "OFF"), incoming calls ring until answered by activating the ON/OFF button.