

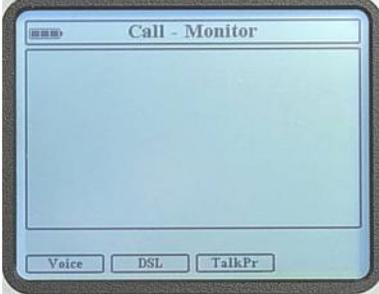
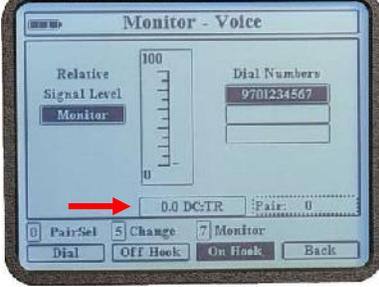
1. Call Functions

1.1 Voice Monitor

The Voice Monitor provides the functions of a talk set for monitoring a line, confirming dial tone, and calling ANI numbers.

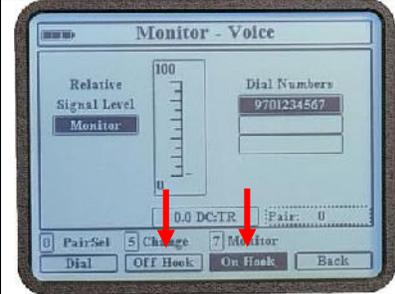
- ☑ The Voice Monitor does not allow the user to talk on the line.

1.1.1 Voice Monitor Step-by-Step

<p>Press [CALL]</p>	
<p>Press [F1] Voice</p> <p>The Voice Monitor is displayed and the currently selected line is enabled. The ATV-25 is on hook.</p> <p>The meter in the center of the screen indicates the amount of audio signal, if any, on the line.</p> <p>The [7] Monitor key turns the speaker audio on or off. The Monitor label on the screen is a black box when the speaker is on. The [+V] and [-V] keys control the speaker volume.</p> <p>A voltage box, see the red arrow, indicates the Tip to Ring voltage on the selected pair. This provides an additional indication of the status of the line.</p> <div data-bbox="391 1436 992 1640" style="background-color: #e0e0e0; padding: 10px;"><p>❗ If the Monitor box is black but you cannot hear audio, look at the meter, if you see an indication of audio on the line, increase the speaker volume with the [+V] key.</p></div>	 <p>Monitor mode is on, there is no DC voltage on the pair, and no audio as indicated by the 0 – 100 indicator in the middle.</p>

The voice mode provides off hook and on hook functions to allow testing for dial tone and to dial stored numbers for ANI. The audio on the line is monitored both on hook and off hook.

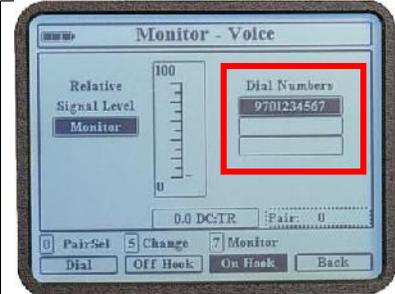
Press **[F2] Off Hook** to go off hook and **[F3] On Hook** to go on hook. The label above the keys indicates the current hook state. The label will be a black box when active.



Voice Monitor mode, PR0, Monitor is on, and ATV-25 is on-hook.

The ATV-25 can dial one of three stored numbers. The **▲** and **▼** keys move the highlight to the desired number location. The **[5] Change** key is used to enter a new number. The **[F1] Dial** key dials the selected number.

The ATV-25 goes off hook, if necessary, and dials the number. Note: it is not necessary to press Off Hook before dialing.

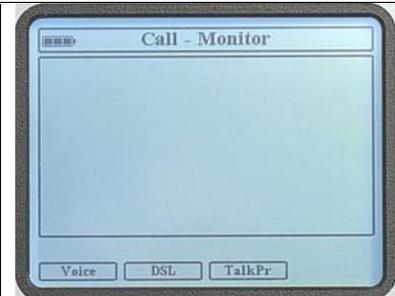


1.2 DSL Monitor

The DSL monitor feature provides an audible indication of digital data on the line. The feature allows monitoring of frequencies from 1 kHz to 1.99 MHz. The DSL Monitor is useful when troubleshooting potential interference within this frequency range. An example is monitoring a frequency for potential radio interference.

1.2.1 DSL Monitor Step-by-Step

Press **[CALL]**

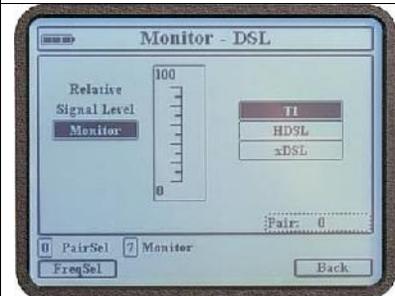


Press **[F2] DSL**

The DSL Monitor is displayed and the currently selected line is enabled.

The meter in the center of the screen indicates the relative magnitude, if any, of the digital signal on the line.

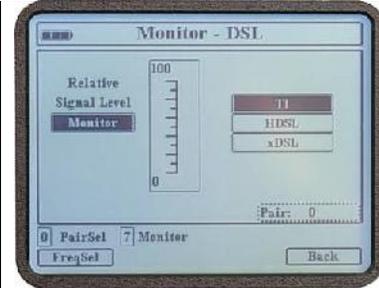
The **[7] Monitor** key turns the speaker audio on or off. The Monitor label on the screen is a black box when the



monitor is on. The [+V] and [-V] keys control the speaker volume.

❗ If the Monitor box is black but you cannot hear any audio, look at the meter, if you see an indication of audio on the line, increase the speaker volume by pressing the [+V] key.

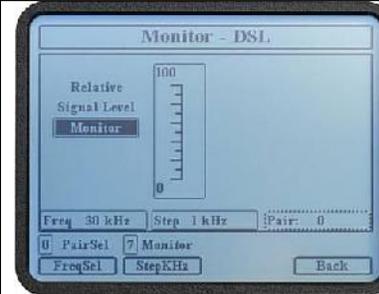
The frequencies for T1, HDSL, and xDSL modes are pre-programmed for convenience. The ▲ and ▼ keys move the highlight to the desired mode.



Press [F1] **FreqSel** to enter a specific frequency to monitor. The initial frequency is set to the current mode when the [F1] **FreqSel** key is pressed.

The starting frequency is entered in 1 kHz increments up to 1.999 MHz. The step size is entered in 1 kHz increments up to 9 kHz.

The ▲ and ▼ keys, respectively, increment or decrement the monitored frequency by the step size. The current frequency is displayed on the screen in the Freq box.



1.3 Talk/Wait Circuit

The ATV-25 includes a talk/wait feature for establishing communications between two locations on a vacant pair.

1.3.1 Completing Talk Circuit Connections

Connect the RJ45 connector of the optional talk/wait cord to the ATV-25.

Connect a butt set or headset to the terminals on the connector block. A butt set will have to be in the talk mode.

Connect the pair clips to a vacant pair that has been identified at both locations.

Connect a butt set or headset to the line at the far end. A butt set will have to be in the talk mode.

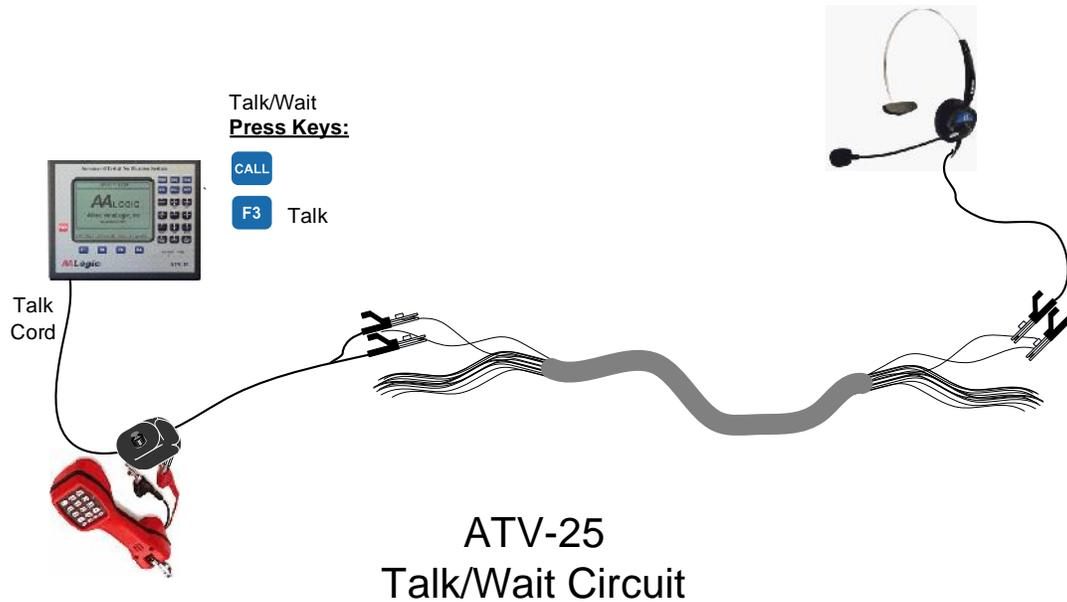
A call tone will be heard from the ATV-25 anytime any connection in the talk/wait circuit is disconnected or connected.



① The call tone is useful in signaling the ATV-25 from the far end. Briefly break or short the connection to the talk pair. The ATV-25 talk/wait tone will be heard.

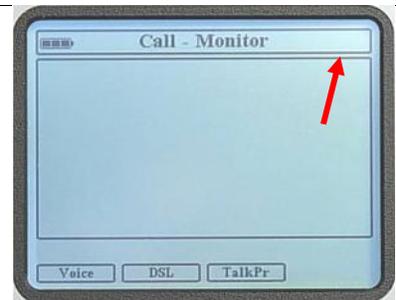
Location of the talk/wait circuit jack.

The figure below shows a typical connection for a complete talk/wait circuit.



1.4 Talk/Wait Circuit Step-by-Step

Press [CALL].



Call screen, Talk/Wait circuit off.

Press **[F3] TalkPr**

[F3] TalkPr is used to toggle the Talk/Wait circuit on and off. The **TALK** indicator appears in the upper right corner of all screens when the talk/wait circuit is on.

All the other test set features may be used with the Talk/Wait circuit on.



Call screen, Talk/Wait circuit ON.