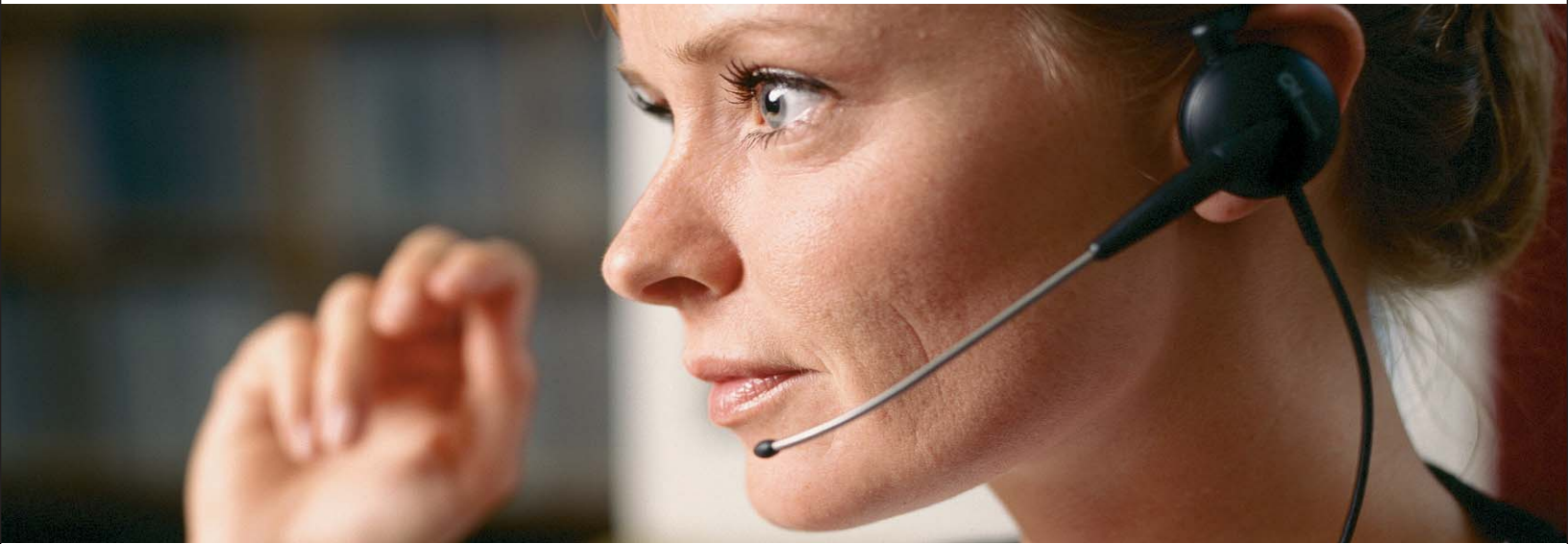


## AT3 – Plug Prong Amplifier



*AT3 Plug Prong Amplifier*

**Pair your AT3 with a GN Netcom headset to experience superior clarity, comfort and durability.**

The AT3 is a telephone amplifier for phone systems requiring a PJ 327 Plug Prong interface. It is a unique product that offers a field replaceable headset cord and a 90° bend to minimize space and position the controls for easy access. Additional product features include full range volume control, voice switching to further reduce background noise when the agent is not speaking, GN Netcom's FailSafe™ Compression to ensure constant speaker output, as well as our patent pending circuit that precisely intercepts acoustic spikes.

- Mute and no mute version
- Mute LED to indicate when the mute mode is activated
- Full range volume control enables users to set comfort level
- Voice switching to eliminate background noise when user is not speaking
- FailSafe™ Compression to provide a constant output level with varying input signals; boost the weak and reduce the strong
- A patent pending circuit that prevents clipping and distortion as well as safe guards the user against acoustic spikes
- Field replaceable headset cord
- Unique 90° bendable housing to minimize space usage



Sound Quality ) Comfort ) Durability



[www.gnnetcom.com](http://www.gnnetcom.com)

**GN Netcom**

# AT3 – Plug Prong Amplifier

## Order information

Model	Part #	List Price
AT3	01-0436	\$106.00
AT3M (mute)	01-0437	\$106.00

## AT3 and AT3M Specifications

- Accommodates all GN Netcom brand headsets
- Mic Mute & No Mic Mute model options
- Mic Muted LED indicator
- Full range volume control
- FailSafe™ Compression on receive-side
- Complies with Bellcore GR 314 max Rx SPL in AGC and frequency response windows when GNN headsets with foam cushions are used

## Transmit Specifications

Output Level	-30 dBV into 50 ohms typical with 94 dB SPL
Output Impedance	50 ohms +/-20 ohms
Operating Current Range	3-140 ma
Frequency Range	-3 dB @ 250 & 5000 Hz hard wire
Distortion	< 5 %
S/N Ratio	50 dB min @ 1 kHz with 5 mv input
Dynamic Range	12 dB min at max rated output
Polarity	Non Polar
Tx Switching Threshold Sensitivity	76 dB SPL @ 1 kHz typical
Tx Switch-Up Time	5-15 ms with a 70-86 dB transition at the mic
Tx Switch-Down time	150-250 ms with a 86 to 70 dB SPL transition
Switched Transmit Level differential	12 +/-2 dB*
Mic Mute	Silent
Mic Mute Indicator	Red LED
DC Resistance	>50 ohms with a 4.8 VDC 226 ohm source

## Receiver Specifications

Input Impedance	300 ohms
Sensitivity	35 to -40 dBV for normal rated output
AGC Threshold	35 to -40 dBV at max volume
AGC Compression Range	40 dB
AGC Attack Time	< 15 ms
AGC Decay Time	150-190 ms/10 dB
Frequency Response	6 dB @ 250 & -3 dB @ 3000 Hz hard wire
Distortion	< 5% 10 dB into AGC hardline with 300 ohm resistor load
Output Power	Approx .22 mw into 300 ohms at max volume
Volume Control Range	25 dB
S/N Ratio	Up to 60 dB with a strong signal

## Other

1. Compliance: FCC Part 68, cULus, IC, OSHA with foam ear cushions
2. Temperature Operating Range: 0-50 C
3. Temperature Storage Range: -30 to +65 C

