

LIMITED WARRANTY

Damaged caused by, or performance problems resulting from, using this product with a non JPL Communications amplifier and/or connector cable, accident, misuse, or an act of God are not covered. Implied warranties, including those of merchantability, fitness for a particular purpose and non-infringement shall (a) have no duration greater than one years from the date of purchase, (b) terminate automatically at the end of that period, and (c) to the extent permitted by law, be excluded.

Consequential and incidental damages, including without limitation, loss of property and those arising from breach of any express or implied warranty, are not the responsibility of JPL Communications and to the extent permitted by law, are excluded.



JPL COMMUNICATIONS HEADSET & AMPLIFIER USER GUIDE



Thank you for purchasing your JPL Communications headset and amplifier.

Please read the enclosed instructions carefully before attempting to operate the equipment.

SPARE PARTS

SAFETY INSTRUCTIONS - PLEASE READ BEFORE USE

- Do ensure that all electrical connections (including the mains plug, extension leads and interconnections between pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug when making or changing connections.
- Do not continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way – switch off, withdraw the mains plug and consult your dealer.
- Do not allow electrical equipment to be exposed to rain or moisture.
- Never push anything into holes, slots or any other opening as this could result in fatal electrical shock.
- Never guess or take chances with electrical equipment.
- Do not open the amplifier housing (excluding the battery box) as by doing so will void your warranty.

QD-01



TRC11



SP2



JRC11



ADD-1005



SP4



ADD-1014



QD-GENI



TROUBLESHOOTING

The caller cannot hear you

- Make sure SELECT switch is correctly set to headset and not handset on the amplifier.
- Make sure the headsets cord is properly connected to the amplifier.
- For clear sound tube models determine if the tube is positioned correctly. Try various other positions.
- To determine if the clear sound tube is clogged, remove the tube and see if the caller can hear you. If they can then the tube is clogged. For a temporary solution, gently rinse warm water through the tube for a minute then manually swing or shake it dry. Make sure the tube is completely dry before reattaching.
- For noise cancelling models make sure the boom is facing your mouth and positioned correctly.
- Verify that the volume control is set properly.
- Turn up the microphone volume on the amplifier.
- Ensure the phone and phone lines are operating correctly.

The fit is uncomfortable

- For over the ear types, determine if the ear loop is properly positioned on your ear. For over the head types make sure the headband length is correct so the stabilizer bars rest gently above your ear.
- Try all possible adjustments for the headset receiver in all configurations.

BATTERY SAFETY INFORMATION

Batteries may leak fluids that can cause a chemical burn injury or ruin your product.

To avoid battery leakage:

- Non-rechargeable batteries are not be recharged.
- Rechargeable batteries are to be removed from the product before being charged.
- Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.
- Do not mix old and new batteries.
- Only batteries of the same or equivalent type as recommended are to be used.
- Batteries are to be inserted with the correct polarity.
- Exhausted batteries are to be removed from the product.
- The supply terminals are not to be short-circuited.
- Dispose of batteries safely.
- Do not dispose of this product in a fire. The batteries inside may explode or leak.

HEARING PROTECTION WARNING

Do not listen to headphones at high volume as such use can permanently damage your hearing.

JPL Communications headsets are designed to produce a specific audio output level at maximum rated power. Many countries now have regulations defining the amount of noise that an individual can be subjected to during a normal workday. The duration of exposure, the level of ambient noise will affect compliance to these regulations. Compliance is application dependent and standards vary. It is the SOLE RESPONSIBILITY of the end user to determine applicability of and compliance to local hearing protection regulations.

In addition if purchasing any JPL accessory which use earphone kits, it is the SOLE RESPONSIBILITY of the end user to determine proper fit. Always use caution when inserting any of the products into your ear.

CARE AND MAINTENANCE FOR OPTIMUM PERFORMANCE

The following suggestions will help you care for your headset.

- Keep the headset dry. If it gets wet, wipe it dry immediately.
- Use and store the headset in normal temperature. Temperature extremes can shorten the life of electronic devices, damage batteries and distort or melt plastic parts.
- Keep the headset away from dust and dirt which can cause premature wear of parts.

TROUBLESHOOTING

We do not expect you to have any problems with your headset/amplifier but if you do these suggestions might help.

I cannot hear the caller

- Verify that the quick release connectors are connected.
- Make sure the headset is positioned properly.
- Make sure the amplifier is installed correctly.
- Turn up the volume control on the amplifier
- Change the amplifiers configuration switch to a different position,
- Ensure the phone and phone lines are operating correctly.

AMPLIFIER OPERATION GUIDE

ADJUSTING THE VOLUME

Before you use the unit, scroll volume on the amplifier to the lowest volume level, then increase the volume until you can just hear a dial tone. During a call adjust VOLUME to a comfortable listening level as the other party speaks.

ADJUSTING THE MICROPHONE'S SENSITIVITY

Leave settings 13, 14, 15 and 16 at the setting where the other party hears you best. Once you determine which setting works best, you should not need to change it again unless you connect the headset to another phone.

MAKING/RECEIVING CALLS

1. Put on the headset and adjust the headband and microphone boom for a comfortable fit.
2. Adjust the lapel clip to leave enough slack for head movement.
3. When you want to make an outgoing call or there is an incoming call, pick up the handset and set it aside, then press the headset/handset switch in.

Notes:

- To step away from the phone without removing the headset, unplug the headset from the amplifier using the quick release connector. Reconnect the headset to return to the conversation.
- You can still use all features of your phone.
- To temporarily turn off the headset and use the handset, press the handset switch in. To return to the headset, press the headset switch in.
- 4. When you finish the call, return the phones handset to the base, or press the phones switch hook and make another call.

USING MUTE

To talk to someone else in the room without the person on the end of the line hearing your conversation, press the mute switch and the LED will light up. To resume your conversation press the mute switch again and the light will turn off.

LISTENING SAFELY

- To protect your hearing, follow these guidelines when you use the headset.
- Do not listen at extremely high volume levels. Extended high volume listening can lead to permanent hearing loss.
 - Set the volume to its lowest level before you begin listening. After you put on the headset, adjust the volume to a comfortable listening level.
 - Do not increase the volume once you have established a comfortable listening level. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

HEADSET GUIDE



Example: Clear Sound Tube

1. Quick release connector and mute switch
2. Cable clip
3. On call illumination
4. Clear sound tube microphone
5. Flexible boom 100mm long
6. Soft head pad
7. Adjustable metal headband
8. Connector to amplifier or telephone

HEADSET OPERATION

The headset is supplied with a high quality microphone to provide clear voice communications. The boom mic can be swivelled to position the headset either on your right or left ear.

Place the headband over your head with the speaker on the ear of your preference. With one hand grasp and hold the ear cushion to steady and carefully pull the boom mic down and into position so that the mic is in front or slightly to the side of your mouth. The boom that holds the mic is flexible and can be bent to position the mic about an inch from your mouth.

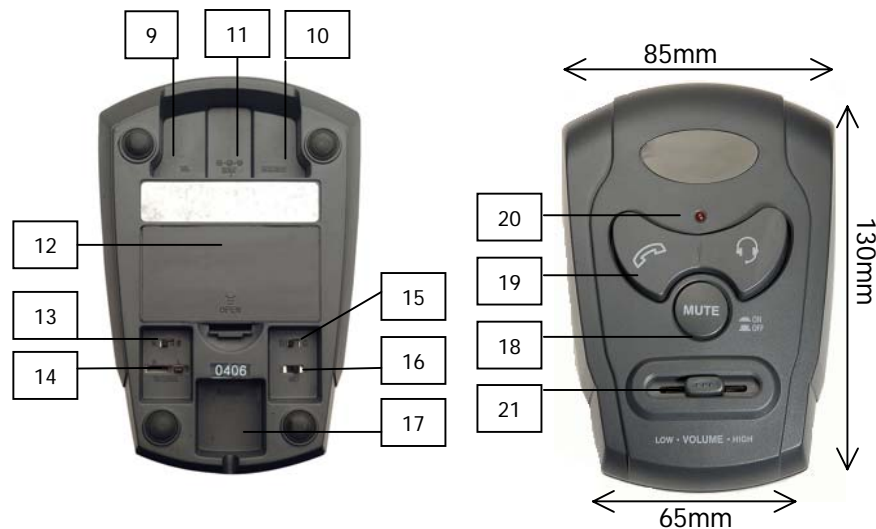
LED Indication : When used with the amplifier, the red or blue LED on the earpiece will illuminate when you have switched the amplifier selector switch (see 19 on page 5) over from handset to headset and you are on a call. Note the LED works through speech recognition (VOX) and will go out if the call goes silent for 13 seconds. It takes 13 seconds for the LED to go out when the call has ended.

Use the clothing clip to attach the cord to your lapel or collar. Leave enough slack in the cord so that you can move your head freely.

Note1: Our headsets will plug directly into virtually all known office telephones using the handset socket or the auxiliary socket.. In this case the on call LED will not function correctly as on call illumination only works when used with the JPL Communications amplifier. All other headset functions remain unaffected.

Note2: The amplifier is not designed to work on telephones that have the dial pad in the handset or on cordless telephones.

AMPLIFIER GUIDE (CATALOGUE NO JRC11)



	Marking	Function
9	Tel	Use to connect the telephone
10	Handset	Use to connect the handset
11	DC 9V	Use to connect the DC 9V charger
12	Battery	Use two AA size batteries (not included)
13	N/R Adjustment	Rx/Tx change
14	T/X Level	Adjusts the volume of microphone IMPORTANT For the clear tube headset set to "H" For the noise cancelling headset set to "L"
15	MIC A,B	Switch of headset microphone A = Condenser – Electronic Microphone B = Carbon Microphone
16	MIC C,D	Use to change the microphone polarity
17	Headset	Use to connect the headset
18	Mute	Push to silence headset microphone. Push again to continue call
19	Selector Switch	Use to select handset or headset
20	LED	Illuminates when mute is selected
21	Volume	Adjusts the headset earpiece volume

GETTING STARTED

AMPLIFIER/TELEPHONE/HEADSET CONNECTION AND OPERATION

To avoid damaging the unit, do not connect it directly to a phone line jack or to a phone with the keypad or dial on the handset.

- Unplug the phone handset connector on the phone base and plug directly into the amplifier marked **handset** - See Fig 1.
- Plug the amplifier line cord into the connector on your phone base used normally to connect the handset. Plug the other end into the position marked **Tel** on the amplifier - See Fig 2.
- Plug the **headset** connecting cord into the headset connector on the amplifier marked headset - See Fig 3.
- Insert 2 x AA batteries (not included) into the amplifier (12) or connect the mains charger to position marked **DC9V** - See Fig 4.

IMPORTANT- only use one power source (either batteries or mains power).

- The amplifier should be adjusted according to your telephone system requirements. See amplifier guide - items 13, 15 and 16.
- Make sure you connect the amplifier correctly to your office phone as you can damage the unit if incorrectly fitted.
- For storage for long periods without use we recommend you disconnect the power or remove the batteries.
- Do not twist the mic on the end of the boom as this may damage the internal wiring.
- Do not over stretch the cords or put excessive strain on the connectors.



Figure 1



Figure 2



Figure 3



Figure 4