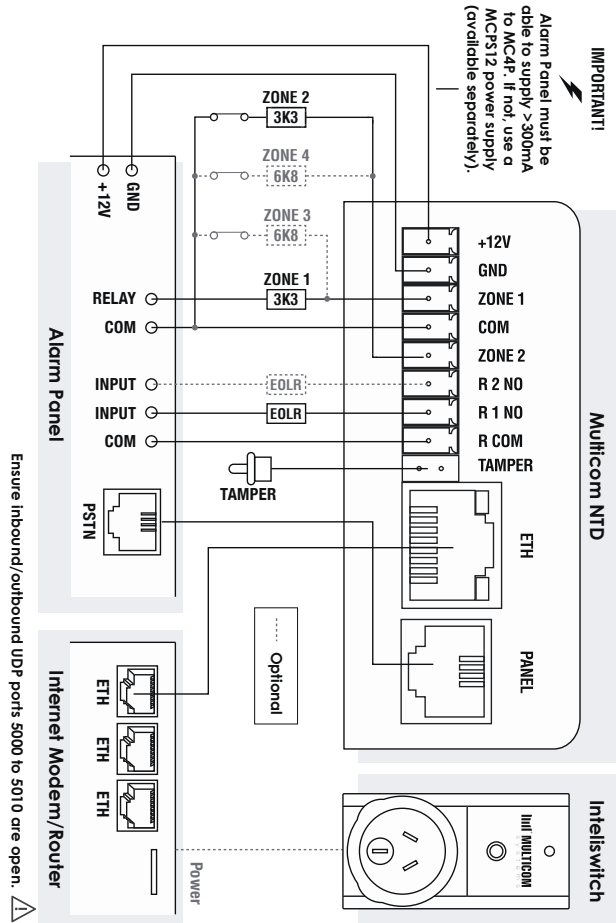


Wiring Diagram



NEW TECHNOLOGY DIALLER

QUICK START & WIRING DIAGRAM

Free Install Tool

Download the TechTools App for smart phones.

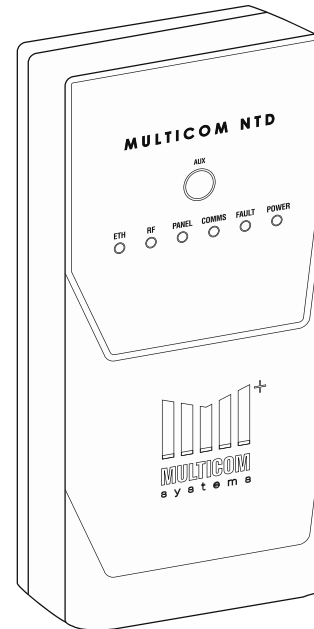


bit.ly/multicom

Download Full Manual



bit.ly/mntdman



Quick Start Guide

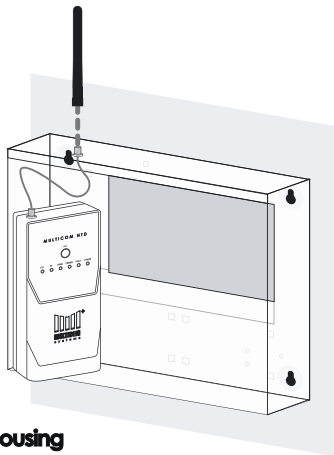
The following gives an overview of the basic installation steps. Further details on programming options and methods can be found in the proceeding sections of the manual.

1. Mount the Panel

Fix the included Velcro strip to the back of the Multicom NTD to mount or place the box in the desired location. Choose one of the following mounting options:

OPTION 1

Mounting or placement inside the existing alarm panel housing requires the included fly lead to be attached and the included antenna to be mounted to the top of the panel



 **Inside of Alarm Panel Housing
INSTALL FLY LEAD & ANTENNA**

may also be compromised. Other concerns would include, without limitation, Internet connection failures, which may be more frequent than regular telephone line outages. We therefore strongly recommend that you discuss these and other limitations involved with operating an alarm system on a VoIP or other non-traditional telephone system with your installation company. They should be able to offer or recommend measures to reduce the risks involved and give you a better understanding. The Multicom range of communication products are designed to detect all communication failures within the network and are designed to work effectively around traditional telephone systems in addition to Non-Traditional Telephony such as VoIP, GPRS, 3G and new communication mediums including the (NBN) National Broadband Network.

and it does not offer any guaranteed protection against burglary, fire or other emergency. This is due to a number of reasons, including, but not limited to, inadequate or improper installation/positioning, sensor limitations, battery performance, wireless signal interruption, inadequate maintenance, or the potential for communication mediums to be compromised or circumvented. As a result, Multicom does not represent that the alarm system will prevent personal injury or property damage, or in all cases provide adequate warning or protection. Your security system should therefore be considered as one of many tools available to reduce risk and/or damage of burglary, fire or other emergencies; such other tools include, but are not limited to insurance coverage, fire prevention and extinguisher devices, and sprinkler systems. We also strongly recommend you to regularly maintain your security systems and stay aware of new and improved Multicom products and developments. For those customers who are using a security system connected to a non-traditional telephone system, such as "Voice Over Internet Protocol" (VoIP) that converts the voice signal from your telephone to a digital signal travelling over the Internet, you should be aware that your alarm system may not function as effectively as with traditional telephone systems. For example, if your VoIP equipment has no battery back-up, during a power failure your system's ability to transmit signals to the central station may be compromised. Or, if your VoIP connection becomes disabled, your telephone line monitoring feature

OPTION 2

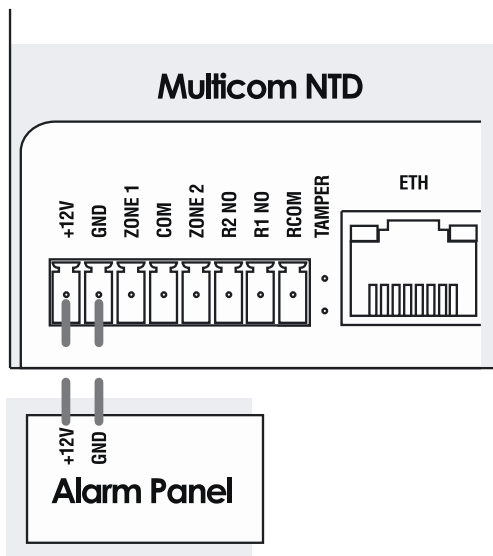
*Mounting or placement **outside the alarm panel housing** requires the **antenna to be installed directly to the NTD.***



**Outside of Alarm Panel Housing
INSTALL ANTENNA**

2. Connect to Power

Connect the 12V+ and GND pins to the 12V auxiliary output on the alarm panel.



If there is no 12V auxiliary power on the alarm panel greater than 300mA, connect to a MCPS12 power supply (available separately) or a fixed 12Vdc power supply (>300mA).

guarantee or warrant the performance of the security system. Multicom will not be responsible for circumstances resulting from the product's inability to operate. Your security system should be considered as one of many tools available to reduce risk and/or damage caused by burglary, fire or other emergencies. Other tools include, but are not limited to, access controls, lock products, insurance coverage, fire prevention, fire extinguishing devices and sprinkler systems. **We strongly recommend that your security alarm system be tested and maintained on a regular basis,** and that you stay aware of new and improved Multicom products and developments.

BEWARE: Dealers, installers and/or others selling, distributing or advertising Multicom product(s) are not authorised to modify this warranty or make any additional warranties that are binding on Multicom or distributors and its affiliates without the written approval from Multicom.

Multicom may change the terms of its limited warranty, without notice, at its discretion.

WARNING: Due to limitations of Alarm Systems, Multicom cannot guarantee the performance of the security system and shall not be responsible for circumstances resulting from the product's inability to operate. It must be understood that while your Multicom product is highly advanced and secure, it only forms part of your total security installation

accept liability beyond the remedies provided for in this limited warranty or for any special, indirect, consequential or incidental damages, including without limitation, any liability for third party claims against you for damages. Multicom's maximum liability will be no more than the amount paid for the product that is the subject of the claim. The laws of some jurisdictions do not allow the disclaimer of consequential damages. Under such circumstances, the limitations and disclaimers herein shall be to the greatest extent permitted by law.

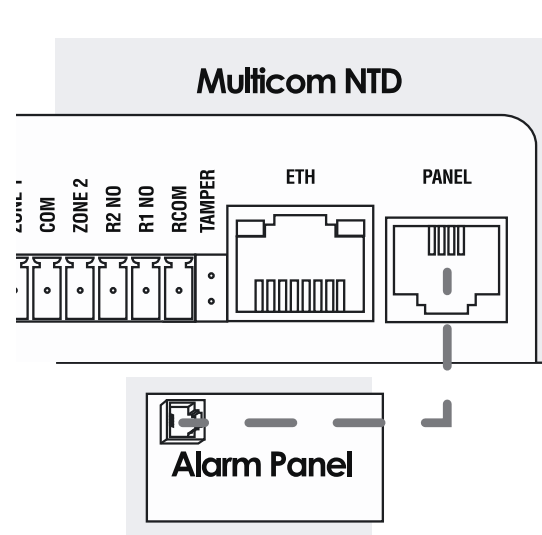
This warranty contains the entire warranty and shall be in lieu of any and all other warranties, whether express or implied, including without limitation, implied warranties and conditions of merchantability and fitness for a particular purpose, statutory or otherwise. This disclaimer of warranties and limited warranty is governed by the laws of the New South Wales, Australia.

Multicom will not be responsible for any custom fees, or taxes that may be due. For those jurisdictions where the legal minimum warranty exceeds the Multicom warranty period, this warranty will be equally extended to meet such legal minimum requirement.

Multicom does not install or connect the products, which may be used in conjunction with other products not manufactured by Multicom; therefore Multicom cannot

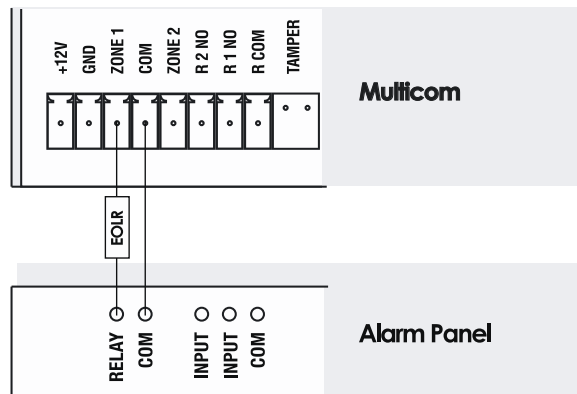
3. Connect to Panel

Connect the "PANEL" connection on the NTD to the "PSTN" connection on the alarm panel using a 4-wire RJ12 cable.



Concept panels require a 6-wire RJ12 cable available separately from your Multicom supplier.

4. Interconnect Alarm Panel Relay Output



Relay/COM: To allow immediate notification of communication failure to the control room, program one of the alarm panel's relay outputs to trigger immediately on PSTN/COMM fail.

Connect the alarm panel's relay output to one of the Multicom's Zone Inputs then ensure that the zone is enabled. See *Option 30*.



If not using Zone 2 it is required to seal off the zone with a 3K3 EOLR.

product label and shall not cover transformers, metal boxes, access cards & tags, batteries, tamper kits, spare parts, cables & connectors, temperature sensors, promotional items & displays or any freight, and labour.

This warranty does not cover damage incurred in shipping or handling, problems that result from external causes such as accident, abuse, and misuse, or problems with electrical power failures, or other damage caused by:

- peripherals or unauthorised alterations or modifications;
- servicing not authorised by a Multicom Certified Professional;
- usage that is not in accordance with product instructions;
- using accessories, parts or components not supplied or recommended by Multicom;
- failure to provide a suitable installation environment for the products;
- failure to change passwords, settings and/or pin codes from factory default and;
- improper maintenance or failure to perform regular preventative maintenance

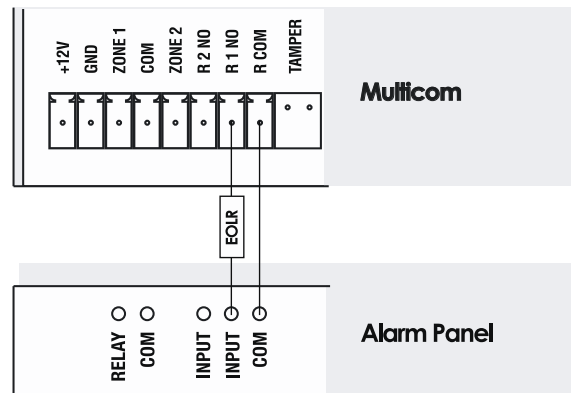
Multicom's responsibility for defects in material is limited to repair and replacement of the product. Multicom does not

Limited Warranty Statement

Multicom Systems (henceforth known as Multicom) warrants its products to be free from defects in material and workmanship, under normal use, for a period of twelve (12) months, or twenty four (24) months if the Multicom product is installed by a 'Certified Multicom Installer', from the date of purchase. If the warranted products are returned to Multicom during this period of coverage, Multicom will repair or replace (at its discretion) without charge, those items found to be defective. Any replacement or repaired parts are warranted for the remainder of the original warranty or ninety (90) days, whichever is longer. The original purchaser must promptly notify their Multicom distributor, in writing during the warranty period, that there is a defect in material or workmanship. All Multicom distributors and dealers have a warranty program and you are expected to return your product with proof of purchase in accordance with such a program. Prior authorisation is required before returning the product, as Multicom will not accept any shipment for which prior authorisation was not first obtained. Multicom will, at its option, repair or replace without charge, those authorised returned items it finds defective.

Please note that this warranty does not cover any software products, which are licensed under terms of a separate software license agreement included with the product purchased. This warranty only applies to defects in parts relating to Multicom products identified with a Multicom

5. Interconnect Multicom Relay Output



Input/COM: To notify the alarm panel of NTD communication failure, ensure that one of the NTD relays is programmed to "COMM's fail event" (Relay 1 is programmed to this by default).

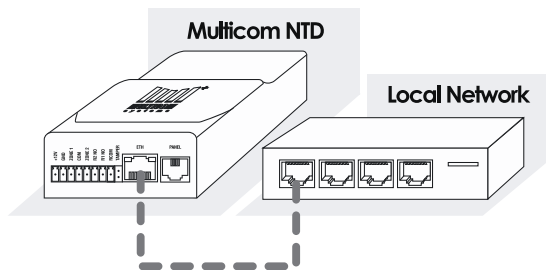
Connect the Multicom's relay output to one of the Alarm Panel's Zone Inputs. It is recommended that the zone on the alarm panel be a 24 hour audible input. See *Option 38*.



Note: Steps 4 & 5 are required to meet Class 4 of the Australian Standard.

6. Connect to the Network

Connect the “ETH” connection to the local network using a patch cable. If the local network does not use a DHCP server, you will need to organise the static IP settings (IP address for Multicom, Subnet Mask and Gateway).



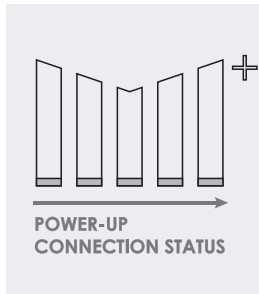
See programming options 55 to 59 to enable and configure the Multicom to suit your network, including configuring a static IP (Option 56).



If the Multicom is behind a firewall, it is important to ensure inbound/outbound UDP ports 5000 to 5010 are open.

10. Test the Panel

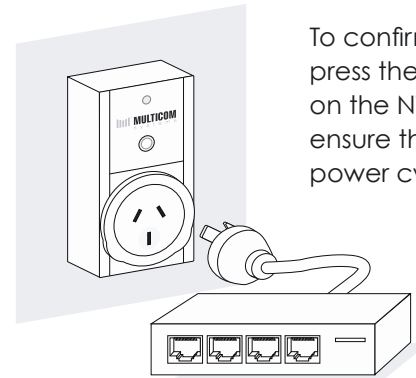
Power up the NTD and test the installation for correct communications as required. On power up the Logo LED's act as a network connection status guide, turning on from left to right, showing which step the NTD is up to in it's connection to the network. On successful connection all LED's will illuminate. They also scroll every time the NTD communicates with the network.



For a full description of the LED's or connection issues please consult the Trouble shooting guide in Appendix A.

7. Connect to Inteliswitch

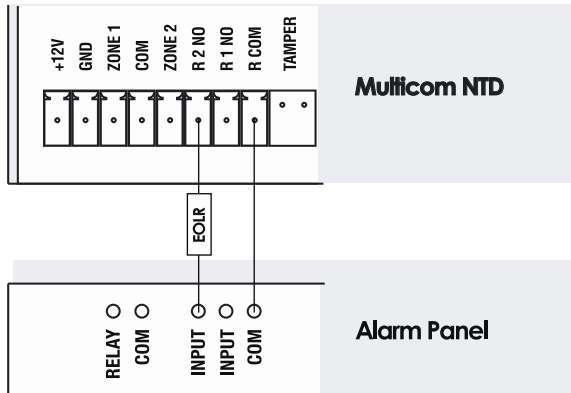
Connect the local Internet modem/router into the provided Multicom Inteliswitch. This allows the Multicom NTD to remotely reset network devices during a network outage in an attempt to recover network connectivity.



To confirm operation press the AUX button on the NTD and ensure the Inteliswitch power cycles.

The Inteliswitch will come pre-learned to your NTD communicator but if you need to reprogram or want to control more Inteliswitch devices from your NTD please consult the Pairing the Multicom Inteliswitch section.

8. Panel Arm/Disarm or Output Control (Recommended Option)



The second Multicom relay (R2 NO) can be configured to arm/disarm the alarm panel or control other devices such as gates (open & close) etc. This may be used to arm/disarm from Multicom smartphone apps. See *Option 38*.

9. Activate the Panel

To enable your Multicom NTD Communicator on the network complete the commissioning screen in the TechTools App or call the Activations Centre. For commissioning via phone please have the required information ready.

- Australia - 1300 603 704
- New Zealand - +61 2 8787 9872

