

Special Products for special people! Featuring.....

The incredible Nexus Hawk,



Standby Repeaters, and more!

Let's talk EMERGENCY communications! When there is a real emergency such as Katrina, Rita, or any other weather related abnormality, we have disruptions in power, cellular service, and even phone service. There are two types of communications that maintain a high level of reliability in severe weather situations – local area radio systems and satellites.

Local Area Radio Systems (LARS) may be a new term to you. In simple terms LARS is any 2-way communications system that is NOT dependant on third party infrastructure, electrical power, or tall towers. LARS can consist of conventional 2-way radios or 802.11b/g WiFi operating from battery or standby power. The Nexus Hawk is part of a total emergency communications system consisting of a number of complimentary components. We'll get to the operational considerations of the Nexus Hawk shortly.

First, we would like to address back up 2-way radio. We offer two backup systems for existing VHF or UHF repeaters. If a repeater station fails, you simply disconnect the antenna from the defective repeater and connect your antenna cable to either the TR-50 or X-Band 50 repeater. We provide both of these stations pre-programmed and tuned to your operating frequency. If you have multiple repeaters using different CTCSS or DCS tones, we program multiple channels on the X-Band 50 – each one on the same frequency, but with different access/privacy tones.



The TR-50 is an ideal emergency backup repeater for use as an incident command center when connected to an on-site antenna. The TR-50 is available in either a VHF or UHF version with an internal duplexer and power cables for use with standard 110 VAC or connected directly to a 12 volt automotive type battery. With a power output of 5 watts, the TR-50 does an incredible job when connected to a standard base station antenna. To prove our point we will provide one for evaluation and we'll bet you can't tell the difference between the TR-50 and your regular repeater!

At a price of only \$911, every repeater owner should have a TR-50 for backup. This low price includes a PC programming kit that allows you to change CTCSS/DCS tones as desired. Take us up on our offer. Place your order for an evaluation TR-50 by calling us at 1.800.489.2611 today!



If you prefer more power and even greater flexibility, choose the X-Band 50, a true 50 watt repeater in a compact 19" x 5" x 15.5" cabinet weighing only 20 pounds with internal duplexer!

If you wish, you can mount the X-Band 50 in the same cabinet with your regular repeater. It mounts on a standard 19" rack and it is factory wired for operation on 110 VAC or 12 VAC with no manual switching required! Are you ready for the price? Just \$1,822 complete! It's twice the price of the TR-50 but it has ten times the power and we'll put this station up against anything you've got, regardless of price.

If the X-Band 50 doesn't perform as good as or better than any existing station regardless of power, we'll take it back! If you would like to try one, just give us a call at 1.800.489.2611 anytime 24/7. You'll have instant backup capability when you need it – guaranteed! Now, let's move on to the second type of LARS system.

You'll recall that we said the two most reliable terrestrial communications systems are conventional VHF and UHF radio. Actually, we should have added a third system – HF radio for long distance networking. No EOC or PSAP should be without a good HF transceiver such as the ICOM IC-703. HF communications is not our present topic, but if you would like to learn more about the IC-703, we invite you to give us a toll free call at 1.800.489.2611 or visit www.icomamerica.com/en/products/amateur/hf/703/default.aspx for more information.

In addition to conventional 2-way radio, the third type of LARS system is WiFi. Nothing else is more flexible. You can communicate with text, voice, or video between both men and machines. A WiFi system can be set up virtually anywhere – in an EOC or PSAP, at an incident site, even in a vehicle – terrestrial, marine, or airborne! The low current drain of WiFi allows extended battery operation when AC power isn't available. WiFi can even provide telephone service!

To enjoy the full benefits of WiFi, you need one additional element –BANDWIDTH! Normally you acquire bandwidth from an Internet Service Provider (ISP). In our homes and offices, we traditionally acquire our bandwidth from cable or telephone service providers. For emergency backup use, temporary use, or use at remote locations, an Aircard can be used in conjunction with many laptop PC's. Wireless data service is available from cellular carriers such as SouthernLINC, Sprint/Nextel, T-Mobile, and Verizon with a typical cost of around sixty dollars per month. Every EOC and PSAP should have at least one Aircard for emergency use!

Once connected to a PC, the user has full Internet access, telephone connectivity through free services such as Skype or full service capability through packet based phone services such as Packet-8 or Vonage. The problem is that only one user has access to these services and there is the additional consideration that the cellular service may go down along with other terrestrial services.



This is where the Nexus Hawk comes in. Instead of getting a single Aircard service, get TWO - One each from different cellular carriers in your area (or from us if you prefer). The chances of both of them going down at the same time are very remote. Pick the one with the highest available speed. Our recommendation is to avoid push-to-talk services such as Nextel and SouthernLINC if possible. The services offered by Verizon, Sprint, and T-Mobile tend to be much faster. Now the question is *what do you do with those two aircards?* The answer is that *you insert them into the Nexus Hawk for an emergency communications system unlike anything you've ever used!*

With a Nexus Hawk on the scene, you can do some incredible things in times of emergency. In essence, this device is an interoperable bridge that connects the high speed bandwidth (EVDO being our preference) from the cellular carrier to a WiFi transceiver that distributes the connectivity to MULTIPLE on scene devices.

The devices can be ANYTHING that connects to the Internet via WiFi. It can be a laptop enabled PC (desktop or laptop as applicable), a data device, a camera, or even WiFi telephones – all for a price of less than \$1,400! Did we mention that the Nexus Hawk has a built in GPS receiver for location reporting? You may have some applications for this!

Think about it! One Nexus Hawk on the scene, connected to a broadband Internet provider in an emergency situation. Anyone on scene can have high speed Internet connection as required. Cameras can transmit live images from the scene and Internet phones provide communications with any phone in the world!

Want to link in your 2-way radios? Not a problem! We can do it with an inexpensive interoperable switch bridging an Internet phone to your 2-way system. This is not our topic at this time, but we thought you might like to know we can provide the interface and for a whole lot LESS than you may have expected.

So what if both of your cellular data providers fail? We can still keep you connected via satellite using the Globalstar satellite network where you can get unlimited satellite service for just \$49.99 per month! Want to know more? Just give us a call anytime, 24/7 at 1.800.489.2611. We'll be looking forward to hearing from you!

So – are you getting our message? We CAN help your to efficiently and affordably plan for emergency communications, or ordinary service disruptions with innovative products and services especially designed for your unique requirements.



There is one other item we would like to mention as a part of total emergency planning. It is not practical to put light bars on every vehicle that may be involved in an emergency incident situation. Still, you need something to mark your vehicle as being a part of the incident team.

We think the answer is a magnetically or hook eye attachable portable high intensity LED Chevron Arrow Mat such as the one pictured above.

This weather resistant vinyl arrow mat is 19.9" High by 44.9" Wide. It has 36 Red LED's with a brightness rating of up to 5000 mcd per LED. Just slap it on the back of your vehicle and set your light mode to sequential arrow flash, all arrows flashing in unison, or arrows always on. Three AA batteries provide an operating life of up to 72 hours in the sequential mode, 48 hours in the all flash mode, or 6 hours with arrows always on.

The price is right – just \$54.95 plus shipping and tax if applicable. Each LED Chevron comes with a black nylon bag with strap and Velcro flap for easy storage. No vehicle should be without one!

To order, go to www.falcondirect.com/EZ-Buy.dot. Specify the model LED-AMR. We'll take it from there!

FalconDirect

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