



Dallas Love Field Airport System



Wireless' low-power microwave system.



Crystal Clear video and audio may be sent up to 3,000 feet over twisted-pair telephone wire using active line drivers from Network Video Technologies (NVT).



Kalatel's KTB 304E keyboard. The joystick provides 360° of pan and tilt and can be programmed for proportional response.



Digital Video Motion Detector (DVDMD01).

Mobil Vision

Remote audio and visual surveillance without wires, cables, or external power. Control up to 512 cameras from one building or vehicle-based keyboard controller. Transmit both audio and video up to two miles with this low-power microwave system. Designed to operate in all environments, the Kalatel color cameras automatically switch to infrared in low light conditions, zoom to 22X, and move through a 360 degree pan and tilt. Transmit crystal clear video and audio through a large building complex an additional 3000' with optional line drivers. Record the information on a VCR, initiate alarms, and/or monitor live.

We designed one of these systems for the Dallas Love Field Airport. This system allows the transmission of video and audio from multiple remote camera sites via microwave to a single frequency receiver. Until now, each microwave transmitter, in a geographic area, has required its own corresponding receiver with its own separate frequency. This installation also incorporates a solar/battery power supply that, in combination with the microwave system, eliminates the need for any external physical connection. It is the first solar/battery power supply to use Nickel Metal Hydride batteries in an application of this type.

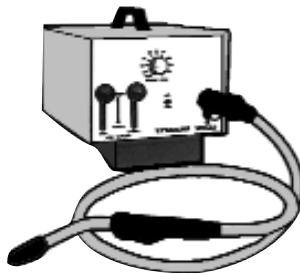
These systems can save lives, prevent theft, and assure compliance at airports and other commercial sites. Good applications include installations at schools, car dealerships, parks, embassies, malls, office and government buildings, banks, warehouses, parking lots, ranches, and farms.

#RS8172 Call for Quote

Solar Powered Electric Fencers

Our Parmak electric fencers use the free energy of the sun to charge powerful batteries for maximum shock day or night. Eliminates expensive battery replacement or inconvenient recharging. 6-Volt Solar-Pak model will operate 21 days without sun and will charge up to 25 miles of fence. 12V Magnum model operates up to 3 months without sun, charges up to 25 miles of fence, and shocks through wet weeds and brush. Built-in performance meter tells you exact condition of the fence. One year warranty.

Solar-Pak	#AA130	\$195
Magnum	#AA131	\$375



Portable Welder

Weld 200 amps from 24V!

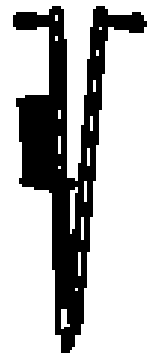
Lightweight (23 lbs.) portable unit is ideal for welding steel, aluminum, sheet metal, or heavy plate. Output ranges from 60 to over 200 amps. Useable with .030 or .035 self shielding steel wire—no gas bottles required. Comes with wire speed (current) and voltage controls. Includes hook-up cables, wirefeed torch and work clamp with cable. Two year warranty. 11" x 9 1/2" x 20".

#GN150 \$789

Corn Planter

Easy on your back and knees—no stooping, just push the steel blade into the ground and squeeze the handles. It makes a hole and drops an adjusted number of seeds in one easy step. All wood and steel except for plastic hopper sides and seed track. 35" long, 2 lbs.

#AA3546 \$56



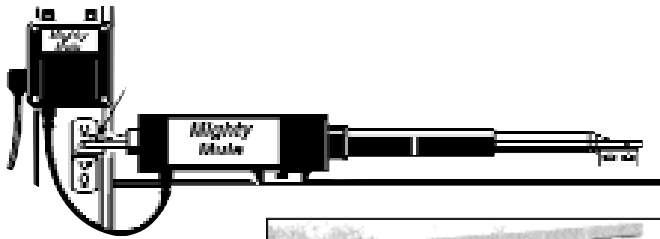
Wireless Motion Alerts

Announce visitors from 500' away

If you're in the barn, greenhouse or garden, these wireless radio operated systems will let you know when you have company. Set the transmitter model in any direction—it emits an 80 ft. invisible beam and sends a signal up to 500' back to a ringing bell or turns on lights, activates a siren, starts a telephone tape dialer, etc. 120 VAC receiver has on/off switch, 4" x 4" transmitter uses 9V battery. Rubber hose drive alert activates the same signals when a vehicle crosses a 25' 3/8" hose.



Wireless Motion Alert	#AA1128	\$219
Extra Transmitter	#AA1129	\$124
Extra Receiver w/Bell	#AA1130	\$95
Rubber Hose Alert	#AA1131	\$149
Extra Receiver w/Bell	#AA1132	\$95
Extra Transmitter	#AA1133	\$65



Solar Gate Opener

Battery powered, solar charged, automatic gate opener becomes a miracle on one of those dark rainy nights when you're coming home late and tired. Easily opens and closes gates up to 16' long and up to 350 pounds. Adaptable for all types of single swing gates and only takes about an hour to install. Includes one transmitter. Commercial versions with custom options also available.

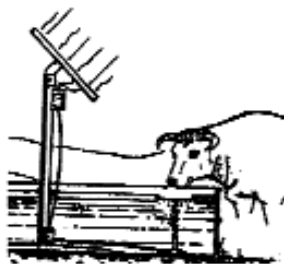


Solar Gate Opener	#AA120	\$595
Solar Panel	#AA121	\$145
Extra Transmitter	#AA122	\$32
Digital Gate Key Pad	#AA123	\$72
Pin Lock	#AA4351	\$18
Electric Lock	#AA33756	\$145

Aeration and De-Icing Systems

Aerate fish ponds, septic, unfreeze stock tanks

Solar air pumps destratify stock tanks, melt ice, make sure animals have water, help ailing septic systems and keep conditions just right for fish. Melt a hole in 2" ice with just one hour of early morning sun! Many kinds of systems available, the best one depends on the amount of water, the ambient temperature, the type of fish for aeration. We list some of the common types here and design and size systems based on your requirements. Anything from an automatic stock tank deicer to aeration of a large lake. The stock tank systems (also good for small ponds) include an outdoor compressor cabinet, air tubing and diffusers. Use the Aeration systems in ponds, lakes or reservoirs for ice removal, improving fish and waterfowl habitats, and lakes. The Solar-Aire I includes two 75 watt solar modules, all needed components and works in ponds up to one surface acre and depths up to 50'. The Solar-Aire II has 4 solar panels and does twice the aeration or ice melting. The Windaire has 6 blades for low torque, low wind speed start up begins working with wind speeds as low as 4 mph. For ponds up to 2 surface acres and depths up to 50'. Use the listed DC compressors to make your own system.



Small Stock Tank	#AA3901	\$150	
Medium Stock Tank	#AA3902	\$184	
Small Aeration	#AA3903	\$1,220	
Medium Aeration	#AA3904	\$1,440	
Solar-Aire I	#AA3905	\$2,955	
Solar-Aire II	#AA3906	\$4,884	
Windaire	#AA3907	\$4,760	
1.8 CFM 4 - 10 psi	Compressor 12V	#WP120	\$160
3.2 CFM 4 - 15 psi	Compressor 12V	#WP121	\$330
0.6 CFM @ 5 psi and .45 CFM @ 15 psi		#WP122	\$93

LP Stock Tank Heater

The best solution for keeping stock tanks thawed in extreme cold. Connect to propane tank—keeps ice away for weeks on one filling. 13,000 BTU burner housed in a submerged case, heavy steel construction, easy servicing. Fits most sizes and styles of stock tanks. Standard as LP, convertible to natural gas (extra).

#AA5388 \$318



Solar Fire Ant Charmer

- Control fire ants environmentally
- No poisons, chemicals or baits
- No product is more effective or safe to control these pests!

The red imported fire ant was accidentally introduced in Mobile, Alabama from South America in the 1930's. The species spread through the lower United States and continues to expand northward and westward into areas with mild climates and plentiful food. Fire ants attack animals, people, and even electrical devices. They cause failures in air conditioning units and traffic control boxes. Fire ants kill livestock and have also been known to kill humans. The solar ant charmer controls fire ants without poisons by eliminating a major part of the ant colony's defenses. It collects thousands of fire ants in just minutes. Fire ant poisons pollute the Earth and fire ant baits take up to six weeks to become effective. Use it over and over again for years without replacing any batteries, the solar cell does it all!

#AA3553 \$96



SolarMoler

Don't kill or poison the critters! You can still keep your garden healthy - just use the SolarMoler as an underground "keep-out" sound that repels moles, voles, and shrews. And you won't need any wires going across your paths - the built-in solar panel provides power. Just push the stake in the ground and keep a garden up to 7000 square feet safe for plants. Internal NiMH battery charges by day to ensure around the clock operation. 16" stake, 7" diameter.

#EP6796 \$44



Solar Mosquito Repeller

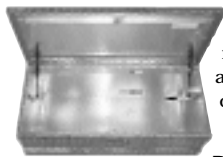
In the history of the world, more people have died from diseases transmitted by mosquitoes than from all the fighting in all the wars. Unfortunately, this solar device won't do much to stop war but it does create a high frequency sound that keeps mosquitoes away! On/off switch, covers 12' radius.



#ST241 \$7

Automatic Hay Feeder Trough

Here's a brilliant way to feed all your animals with one choring per day! Feedbox mounts in the stall, and holds a full feeding or ration (hay or concentrate). Remote solar charged unit trips a pneumatic line to open feedbox at a preset time. Air actuation means no



chance of electrical shock to the animal. Another great feature—control unit can open a series of boxes at the same time. Design is so creative, it's patented.

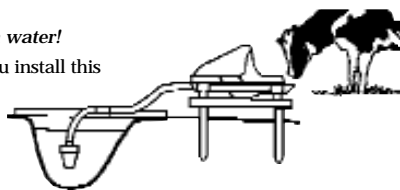
Multi-Trough Power System #AA5249 \$700
Reinforced Steel Trough #AA5354 \$500



Pasture Pump

Your animals pump their own water!

Animals learn the first day you install this pump that they get water by pushing on a lever. Prevents animals from damaging stream banks, springs, and ponds. They also pump from shallow wells—vertical lifts up to 26' and horizontal distances up to 126'. Each pump provides enough water for up to 30 horses or cows. Easy to move from place to place, weighs 22 lbs.



#WP733 \$349

Paulownia Trees bring good luck!



Example of intercropping: five year old Paulownia Tree



Four year old Paulownia Tree

In China they believe that planting the Paulownia by their house attracts the Phoenix!

The Perfect Sustainable Tree!

Just imagine the difference that could be made if everyone planted one Paulownia tree. An 8 year study done by the International Development Research Centre, established that atmospheric oxygen and relative humidity increased 10-15% as a result of these incredible trees. Also, their ability to grow and thrive in areas that had severe dust, smoke, and sulfur, added to significantly reduced air pollution.

Paulownia trees can become the foundation for ecologically sustainable communities. Fast growing deciduous trees, they provide shade, valuable hardwood, and create ideal microclimates for growing a wide variety of organic food crops.

Ornamental Benefits:

- Shade for home starting in just 16-18 months
- Beautiful edible lavender flowers

- Fully matured to 30' in just three years
- Gentle scent like Jasmine

Food Source Benefits:

- Leaves are great for tea and make excellent burritos. Leaves are 18-20% protein, high in nitrogen—excellent animal fodder or fertilizer (mature tree produces 85lbs.)
- Flowers are tasty and beautiful in salads
- Bees love the flowers—excellent source of organic honey
- Trees feed the animals, their waste can feed the trees

Forestry Benefits:

- Grows 70'-80' in 10-15 years
- Drought resistant, disease resistant
- Hardwood has grain like mahogany
- Hardwood does not warp twist or crack
- Excellent wood for insulation
- Lightweight with excellent weight strength ratio
- Great for furniture, musical instruments, doors, moldings, poles, fencing, paper, wood, wool, & more

- Fire-resistant and water repellent
- Air dries in 30-60 days, kiln dries in 24-48 hours
- Commercially harvested in just 5-7 years
- Regenerates from the stump after harvesting

Air and Waste Water Control Benefits:

- Significantly reduces waterway contamination and odors
- Increases nitrogen uptake
- Erosion control, windbreak, and screen
- Absorbs dust, smoke, sulfur, and other chemicals.

Kawakamii

30' High in 3 years, +5/130° #EP6751 \$29

Elongata

75' High in 10 years, -5/130° #EP6753 \$29

Trees are guaranteed