

InteleHome™ – the Future of Home Automation

Varied Components of Home Automation

Loran-Tech's InteleHome™ System can be mixed and matched to the customer's most demanding requirements. The foundation of the system, the MasterServer™ Central Control Cabinet, houses everything necessary to run the entire house. Software distributed through the MasterServer™ runs through telephone and TV cables, enabling distribution of streaming video, recording and playing videos and MP3s anywhere in the home, as well as providing a security system to adjust lights and preset "scenes," control temperatures and allowing internet access wirelessly or through wired outlets... effortlessly.

The system can be installed in new or existing homes. Existing homes will see an immediate improvement in heating/cooling efficiency with the added benefit and flexibility of high-speed Internet connections.

Not nearly as costly as one might imagine, the InteleHome™ cost-saving features will show dividends almost immediately. With the flexibility of adding components and services as needed, there's an InteleHome™ System just right for you!

Our Specialty

- Home Automation Systems
- Security Backup and Network Monitoring
- Home Theater Systems
- Lighting Control Systems
- Audio/Video Distribution
- Structured Wiring
- Server Maintenance
- Network Maintenance



Loran-Tech Incorporated
810 High Street
Bethlehem, PA 18018
(610) 882-9702 Tel & Fax
loran-tech.com

Smart Home Automation

Let's Be Specific!

Lighting

The IntelHome™ System has the ability to control lighting many different ways. Basically, it will turn lights on and off, but when combined with open source software, it will do it at specific times! The IntelHome™ System can control certain lights randomly, if you aren't home, or have them work in combination with any other control device in the system. These combinations are called "scenes." For example, a single selection on the remote control could dim the lights, draw the shades, and lower the speakers from the ceiling. This remote button might be labelled "Movie." The "TV" button might turn on the television and stereo. Or do all of the above. Loran-Tech's staff will work hand-in-hand with the homeowner to get just the functionality wanted right from the start, then train the user to complete satisfaction after that.

Media Room

The combination of a home theater, mediaPC, and a universal remote control to run everything from one remote. The mediaPC allows users to surf the Internet with a wireless keyboard and mouse, or record anything on television for later viewing. Stored in the MasterServer™ the recording can then be viewed on any PC or TV connected to the System. The mediaPC will also play MP3s through the home theater system, as well as provide the playing of games on the Internet or as single-player games. It truly makes the Media Room the central place for the family.

Heating & Air Conditioning

Controlling the heat and air conditioning just like a thermostat, the MasterServer™ can divide a house into as many "zones" as required. That 3rd floor attic doesn't need to be at the same temperature as the master bedroom or kitchen. Through the use of temperature monitors placed anywhere in the house, the heating system will use peak efficiency – only heating/cooling areas which need it. This can all be set by the homeowner, transparently cutting heating and cooling costs without noticing differences in temperatures – only lowered monthly bills!

Security System

Functioning the same as traditional home security systems, the MasterServer™ Central Control System offers extra benefits and options. Assuming the house has all appropriate doors and windows monitored, and motion sensors placed throughout the house, our System will monitor not only the sensors on windows and doors, but also activity inside the house. Motion detecting sensors, can be set to tolerate specific size objects, making the System much more foolproof. Should an intruder disable a window sensor, movement in the house is adverted! This total monitoring coverage was only previously possible with expensive home security systems. Now, the MasterServer™ Central Control System serves this additional feature, switching functions automatically!

Interrupted Power

The beauty of the Loran-Tech MasterServer™ Central Control System is that it is independent of the home power system. If the power goes out, the System functions on battery backup for as long as 12 hours. Other options, such as a generator backup, are available also.

Alarms

Not only does the Loran-Tech MasterServer™ Central Control System have a voice, but it uses it too! In the event of an intrusion, the alarm announces over speakers placed throughout the house what has tripped and where. This gives people in the house the location of the intrusion and routes their safe exit avoiding confrontation. If the user wants to check on the status of the house, all they have to do is dial the phone. Dialing a password, they can get a complete or short status check of the System and the house. If a user is near a computer, they can access their home's System securely through the Internet and monitor what's happening there. This is great feature for working parents or children left with a baby sitter. If the security system includes cameras, the ability to watch what is happening in the house is available in real time via streaming video.

Fail Safe Operation

The most unique feature of the IntelHome™ System is its backup computer internally ready for any emergency. If the MasterServer™ goes down, a second, smaller backup system will take over and continue control of the security, HVAC, telephone, video, and Internet access. The MasterServer™ is a self-aware computer system. If for some reason a hard drive starts to fail, or the system starts to overheat, or the power supply begins to fluctuate beyond specifications, Loran-Tech is sent a message directly to our Server Center which alerts us to the problem. If for some reason the backup computer kicks on, we'll know about it immediately and will dispatch a technician. We'll respond to any problem within four hours – guaranteed!

Value Added

Not only does the IntelHome™ System monitor its internal health but it also serves as a redundancy to the security monitoring company who resides in your area. If the alarm system trips, Loran-Tech is immediately sent an e-mail and will call the security company to assure its awareness of the alert. If the phone lines have been cut and Internet access denied through its normal channel, a different method, such as cable modem will activate to send the emergency message. There are also additional methods offered.

Storage

The MasterServer™ is a place to store music, videos, important files and backups. Any computer which has network access can playback anything stored on the server. With music, there are a lot of options. The most

basic is included in the system automatically, which is file storage in the server. But Loran-Tech can offer much more! Audio in any room in the house. The system can be tailored for the home owner's needs and budget. In-wall speakers, individual stereo controls, and additional inputs for personal devices can be installed in any room. This means that Dad can listen to the radio, Mom can listen to her favorite CD, and the kids can listen to MP3s or watch movies. The combinations are endless. Loran-Tech also has outdoor options as well, so you can entertain with music by the pool or on the deck.

Television

The Loran-Tech MasterServer™ Central Control System can control video distribution to as many TVs as required. It supports cable and (DSS) satellite inputs, and will work invisibly to the cable or satellite providers.

Attention-to-Detail

Another example of our attention-to-detail – we will install one outlet (more if needed) in each room which will house up to 6 components at once, so Internet access, TV cables, phone lines, and audio inputs are all in one location. Since wireless access is so inexpensive, Loran-Tech will include that in every room as well, available via laptop or wireless PDAs.

True flexibility in a Loran-Tech IntelHome™.

Experience

As part of the Loran-Tech IntelHome™ buying experience, we intimately work with home builders, architects, interior and lighting designers. Our goal is to make the process of system design as painless as possible while meeting the needs of the end user. No two systems are alike, just as no two homes are the same.

The Design Process

Here's an approach to designing your Loran-Tech IntelHome™ System

- Understand what the technology can do
- Develop a list of your requirements
- List people who will work on the home design (if installed in a new home)
- Design and install your new Loran-Tech IntelHome™ System with experienced Loran-Tech designers

Call Today! (610) 882-9702