The basic concept behind the "Remote Door Entry" program is the ability to remotely operate X-10 devices from any Internet capable computer in the universe. Using a simple keystroke, the user will be able to unlock the keypad controlled security door for room ARCH047, allowing visitors entry.

(a) Visitor approaches door & sees keypad entry on latch, prompting them to knock.
(b) From any computer, set as "remote," a key sequence is entered to start the "door-open" Applet on the "server."
(c) The Applet sends an electrical signal through the X-10 system, activating the door latch release mechanism. The visitor is allowed entry.

Here’s how it was done:

- We connected the "door" to an X-10 Appliance Module.
- We attached the X-10 Controller Module to the "server" computer.
- On the "server" computer, we wrote an Applet to send an "on" command to the "door" latch release mechanism.
- We set the "server" computer for Web Sharing.
- We made the Applet file available for Web Sharing.
- On the "remote" computer we wrote another Applet that points that computer’s web browser to the "server" computer, starting the "door-open" Applet.
- On the "remote" computer we wrote a QuickKey sequence to run the remote Applet.

With these steps any computer can be set-up to remotely activate an Applet on the "server."

Apple Scripts Used
- "Server" computer:
  X10 send command module on in house code "A" for modules 5 via combined port
- "Remote" computer:
  Tell application "web browser of choice"
    OpenURL "server computer’s IP address"
  End tell

Because any computer in the universe can be used to activate the "Remote Door Entry" program, it completely bypasses the security features of having keypad-restricted entry. Including a password prompt in the QuickKey sequence can alleviate this problem.