Linear ACCESS®

AE-500
Telephone Entry
for One or Two Doors/Gates

Everything you need for systems of up to 250 users.

The AE-500.

Telephone entry as easy as 1 2 3

The guiding principle behind Linear's AE-500 is that a telephone entry system should be a model of simplicity. Easy to specify. Easy to install. Easy to configure. And above all, easy to use. A close examination of every aspect of this system reveals that ease is an across-the-board attribute.

That makes the AE-500 desirable for installations with as few as 25 users or as many as 250. Multi-tenant sites like gated communities, apartments, condominiums, and dormitories can all benefit from its simplicity and its expansive capabilities.

The AE-500 provides control for a single gate or a door, two gates, two doors, or a gate and a door. It includes a built-in radio for adding remote control via user transmitters, a function enhanced by the fact that Linear is also a leader in RF technology and offers the industry's widest range of transmitter styles.

No matter what size your telephone entry requirements run, it is likely that Linear can supply a system. With many years in the field, we have assembled a family of products to address nearly every need.
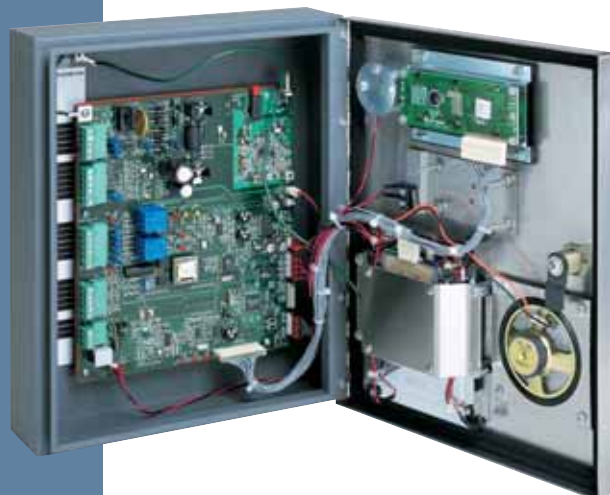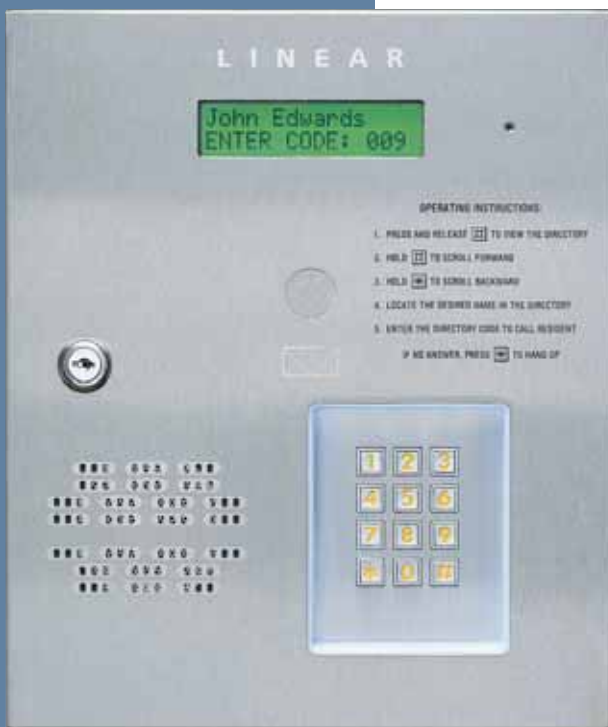
By every meaningful measure, Linear makes telephone entry easy.

ROBUST MEMORY, VIVID DISPLAY, RADIO, MODEM — THE COMPLETE PACKAGE.

There is nothing incremental about the AE-500. For a simple system, it comes fully equipped for your telephone entry application. It has ample non-volatile memory for up to 250 users, which means that even if you start with 25 users, you won't need to keep adding more memory blocks (at greater expense) as your needs grow. That memory stores up to 250 directory codes, 500 block-coded MegaCode transmitters, and 500 entry codes. An entry code can be programmed for unlimited use or as a temporary code for up to 250 activations. The latter type is ideal for contractors and other short-term system users. An especially high visibility component is a 2 line by 16 character transflective backlit LCD that brightly displays the system's user directory, as well as a helpful series of user prompts. A built-in radio offers additional entry capabilities via wireless transmitter control. An integral modem greatly simplifies programming.

RUGGEDLY BUILT FOR EVERYDAY USE.

Telephone entry systems get a lot of use (and sometimes even abuse). The system is housed in a heavy-duty 16 gauge powder coated steel cabinet with a 16 gauge brushed stainless steel front panel. Its built-in, recessed, 12-button, metal keypad is likewise manufactured for constant

pressure applied by many fingertips over many years. Surround lighting makes it easy to read even after hours. That lighting is supplied by LEDs that remain on all the time at 50% intensity; once a key is pressed, the LEDs illuminate at 100% intensity for a period of two minutes.

MEGACODE INSIDE. TELEPHONE ENTRY WITH WIRELESS!

Like all Linear telephone entry systems, the AE-500 includes the added value of a built-in wireless receiver and antenna. But this is not just any wireless receiver. It's the MegaCode radio by Linear, the people who pioneered radio frequency based security and access control. The famous MegaCode unit allows the use of handheld, visor clip, and keychain transmitters (the industry's largest selection) to achieve additional remote control over gates and garage door operators. Its code selection from over one million factory-set possibilities that cannot be changed in the field assures the highest protection against code theft and duplication. Use of block-coded transmitters

dramatically simplifies the programming process. A choice of optional antennas extends the AE-500's range. The EXA-1000 is a remote, omni directional model that includes mounting hardware and five feet of cable. The EXA-2000 is a remote directional-type model that comes with mounting hardware and ten feet of cable.

IN LIVING COLOR. AN OPTIONAL CCTV CAMERA.

Getting a clear picture of what's going on at any entrance at any given time is as easy as adding an optional, color cctv camera (CCM-1) to the AE-500. It installs inside and receives power from

the control board. The color camera doesn't just add value to the AE-500; it adds security to any installation. You can add a CPDM-1 to combine the video signal with an existing CATV network. This will allow all tenants in a development to view on their TVs, who is calling them from the AE-500.

CONTROL FUNCTIONS BEYOND THE DOOR AND/OR GATE.

The AE-500 has two built-in general purpose (form "C") relays. Both can be configured for open/close. One can be used for the control relay and the other for a myriad of auxiliary control functions, including activation of safety edge reverse, external lighting, or alarm shunting. All relay contacts have extensive RFI, ARC, and lightning suppression.

INSTALLATION CHOICES ABOUND.

The AE-500 can go just about anywhere telephone entry is needed. Its stainless steel cabinet can be either surface or gooseneck mounted as

standard. For flush or recessed mounting, an optional trim ring is available.

SOPHISTICATED YET SIMPLE PROGRAMMING.

Computer programming the AE-500 via a standard web browser eliminates the need for special software. Programming can also be accomplished from the AE-500's keypad or via a touch-tone telephone.

MORE OPTIONS FOR A FULL-FEATURED SYSTEM.

In addition to the aforementioned remote control transmitters, alternative mounting accessories, and extended range antennas, the AE-500 can be easily equipped with other valuable options. For instance, Linear

offers add-on keypads for access control at a second door or gate.

General Specifications

COMMUNICATIONS
Full Duplex, hands free operation

PROGRAMMING
Telephone Entry: 2-4 digit directory code length, display messages, talk time duration

OUTPUTS
Relay: 2 form "C" relays; both can be configured for open/close; all relay contacts have extensive RFI, ARC and lightning suppression

Modem: for remote programming – 14.4 Kbps

DISPLAY
Front Panel: LCD technology, 2 lines by 16 characters

Keypad Lighting: surround LED lighting for the front panel keypad; LEDs remain on at 50% intensity until a key is pressed; once a key is pressed, LEDs illuminate at 100% intensity for a period of 2 minutes

INPUTS
PBUS: 1 set for connecting proprietary wired keypad

RF: 318 MHz super heterodyne receiver with -100 dBm sensitivity; built-in 20 dB adjustable attenuator for fine tuning radio performance; antenna required for use with transmitters

Request To Exit: 2 normally open inputs; each input assigned to specific relay

Door Sense: monitors status of main relay

LEDs: for configuration, status and troubleshooting

POWER
12/24 VAC or VDC
500 mA DC typical; 750 mA DC maximum

OPERATING TEMPERATURE
-22° to +149°F

DIMENSIONS
12.75 in H x 10.75 in W x 3.5 in D (3.24 x 273 x 89 mm)

Optional Trim Ring: 14.75 in H x 12.75 in W x 2.75 in D (375 x 324 x 70 mm)

MEMORY
250 directory codes, 500 block coded MegaCode transmitters, 500 entry codes; entry codes can be programmed for unlimited use or temporary use with up to 250 activations; all data is stored in non-volatile memory

CONNECTIONS
all connections grouped together in neighborhoods for ease of installation and maintenance; wire connections via removable terminal blocks

ENCLOSURE
16 gauge powder coated steel cabinet; 16 gauge brushed stainless steel front panel

STANDARD EQUIPMENT
AE-500 Two Portal Telephone Entry system with built-in radio receiver and modem for computer programming; accepts transmitters and keypads as inputs; surface or gooseneck mounting standard

OPTIONAL EQUIPMENT
CCM-1: color camera receives power from control board
CPDM-1: digital modulator converts raw video output of camera to TV channel for distribution
TR-500: trim ring for flush/recess mounting

ANTENNAS
EXA-1000: remote, omni directional; includes mounting hardware and five feet of cable

EXA-2000: remote, directional-type; includes mounting hardware and ten feet of cable