

**Linear** ACCESS™

# AE2000Plus

The Ultimate in Telephone Entry.



**A multi-tenant system  
network-ready for  
expansion.**

# The big picture.

## A display that welcomes and informs.



As befitting Linear's flagship telephone entry system, Linear has equipped the AE2000Plus with an attractive, highly functional display. Visitors will have no trouble using the AE2000Plus to locate and contact residents. A temperature-compensated, back-lit, VGA resolution, LCD display presents up to 24 names at a time on separate alphabetical screens. That is in stark contrast to most telephone entry systems, which require you to scroll continuously through the entire alphabet, searching for a name. The three keys directly below the display operate as "soft keys," changing functions with each mode. For instance, in the Directory Mode, the keys become A and Z directional controls for scrolling through the alphabetical listings. In the Information Mode, the keys permit switching between English and Spanish.

ABCDEFGHIJKLMN OPQRSTUVWXYZ

COLE BEN	0159	COLE WIL	0165
COLEMAN MILES	5891	COLLINS ANDREW	0289
COLLINS DEREK	0505	COMER CARL	0748
COMO PERRY	1162	CONISON JOEL	9539
CONNEK DANNI	0373	CONNELLY JIM	2464
COOK ANISSA	0535	COOPER MORGAN	9646
CORONA PABLO	0110	CORT DIONNE	0531
COSSON CHR			
COTRICE			
CRANE JACO			
CRANSTON R			
CREATIVE ST			

CROFT KELLEY	0508	CROMERO PATRICIA	0410
CROOK JENNIFER	0672	CROSBY BING	1142
CROSSLAND DAV	0188	CROVER JOHN	0149
CRUDUP AKIAH	0010	CUFFEE GOLDIE	9095
CUNHA RICARDO	0278	CUNNINGHAM KE	0461



The AE2000Plus is quite the greeter and the instructor. Its friendly, automatic voice prompts guide visitors step-by-step to simplify usage. That includes switching to provide instructions in either English or Spanish.



The guiding principle behind Linear's AE2000Plus is that a telephone entry system should be a model of simplicity. Easy to specify. Easy to install. Easy to configure. Easy to expand. And above all, easy to use. A close examination of every aspect of this feature-rich system reveals that ease is an across-the-board attribute.

A 10,000 user capacity is standard with the AE2000Plus.

to access programming using Linear's AccessBase2000 software. Both choices allow multiple unit connectivity (see capabilities in the table on the back page).

## **NOT JUST TELEPHONE ENTRY. TELEPHONE ENTRY WITH ACCESS CONTROL.**

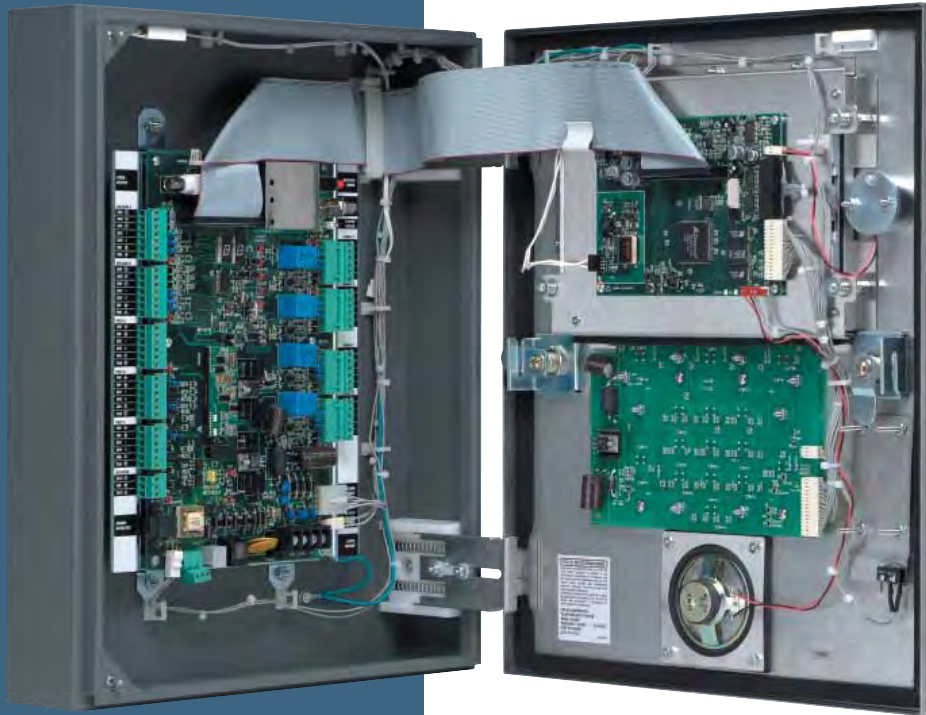
You could use the AE2000Plus as just a telephone entry system. It has a 10,000 user capacity and each user can have a unique directory code. Handy features like a programmable display message, adjustable talk time, and extended talk time per user add more value. However, the real benefits of the AE2000Plus stem from its powerful access control capabilities. Access can be allowed or denied based on 32 programmable criteria — security levels (32 Validation Groups), by date and time (32 Time Zones), by door (32 Door Schedules), and by floor (32 Floor Schedules). In addition, so you can keep a running check of all entrances and exits, the AE2000Plus maintains a transaction log of the last 20,000 events.

## **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, articulated, double-locking front panel. Its built-in keypad is likewise manufactured for constant pressure applied by many fingertips over many years. Individually illuminated back-lit keys make it easy to read even after hours.

## **MEDIA EXPERT. FROM TRANSMITTERS. TO CARD READERS. TO KEYPADS.**

Building access control around the AE2000Plus is easy, because the system supports so many diverse devices. A variety of other door/gate controls can be added to manage access at other entrances. Two sets of Wiegand inputs allow connection of most standard card readers. The AE2000Plus can also accept external wired keypads. A built-in radio



Si Ud. tiene un código de acceso, presione la tecla (→) y entre el código.

Si Ud. sabe el código del residente, presione la tecla (←) y entre el código.

Para llamar a un residente, use las teclas "de la flecha" para encontrar el nombre del residente, y entre el código asociado.

Para cancelar la llamada de teléfono, presione la tecla (↵)

### **EXHIBIMOS ESPAÑOL.**

For those of you who don't speak Spanish, that means "We display Spanish," a very valuable built-in attribute for an telephone entry/access control system. The bilingual AE2000Plus gives visitors that option right up front, so that all subsequent instructions are as easy to follow in Spanish as they are in English.

Commercial sites, like apartments, condominiums, residential communities, and industrial complexes can all benefit from its simplicity and expansive range of capabilities.

The AE2000Plus provides control for up to four portals (gates and/or doors). It includes a built-in radio for adding remote control via user transmitters.

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.

## **TWO PROGRAMMING CHOICES:**

AE2000Plus now offers you two programming choices. Use any PC at any location to access programming using Linear's AXNET that is built into the controller. Or use a dedicated PC

that employs Linear's popular MegaCode® format permits use of handheld, visor clip, and keychain transmitters (not coincidentally, Linear offers the industry's largest selection of styles) to achieve

additional remote control over gates and door openers. The integral receiver can also be used with external remote receivers and a choice of optional antennas for added range and capabilities.



### 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 AE2000Plus. It installs inside and receives power from the control board. The color camera doesn't just add value to the AE2000Plus; 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 AE2000Plus.

### CONTROL FUNCTIONS BEYOND THE DOOR AND/OR GATE.

The AE2000Plus has four built-in general purpose (form "C") relays. Each can be configured for open/close. Any one can be used for the control relay and the others for a myriad of auxiliary control functions, including activation of safety edge reverse, external lighting, or alarm shunting. In addition, the AE2000Plus supports *request to exit* and *door status* monitoring for each relay. All relay contacts have extensive RFI, arc, and lightning suppression.

### SURFACE. FLUSH. GOOSENECK. YOUR INSTALLATION OPTIONS KEEP MOUNTING.

The AE2000Plus goes just about anywhere telephone entry is needed. An optional trim ring and a standard stainless steel enclosure with articulating double-lock configuration

combine to make it wholly unique — the industry's only telephone entry system with a living hinge that can also be flush mounted. The AE2000Plus can also be surface mounted or put on a gooseneck to give you total installation flexibility.

### MORE OPTIONS FOR A FULL-FEATURED SYSTEM.

In addition to the aforementioned remote control transmitters, color CCTV monitoring, alternative mounting accessories, and extended range antennas, a Multiple Input/Output (AM-MIO) interface module is available for monitoring additional points and can also be used for elevator control.





# The AE2000Plus.



# General Specifications

## COMMUNICATIONS

Full Duplex, hands free operation

## PROGRAMMING

**Telephone Entry:** 1-4 digit directory code length, display messages, talk time duration, extended talk time per user

## OUTPUTS

**Relay:** 4 form "C" relays; all can be configured for open/close; all relay contacts have extensive RFI, arc and lightning suppression

**RS232:** for local computer communications

**Modem:** for remote programming

**Video:** BNC connector for optional color camera

## DISPLAY

**Front Panel:** Temperature compensated VGA LCD technology

**Keypad Lighting:** individual back-lighting per key

## INPUTS

**PBUS:** 3 sets for interconnection of up to six proprietary addressable devices

**Wiegand:** 2 sets of Wiegand inputs for connecting 26, 30, or 31 bit Wiegand devices; each Wiegand input supports two reader LED indicators

**RF:** Integral 318 MHz super heterodyne receiver with -100 dBm sensitivity; built-in 20 dB adjustable attenuator for fine tune performance; antenna required

**Request To Exit:** 4 normally open inputs; each input assigned to specific relay

**LEDs:** for configuration, status, and troubleshooting

**Door Sense:** 4 normally closed inputs used to monitor the status of the control portal to support forced door./propped door alarm; also for auto-relock

## POWER

**Input Power:** 120 VAC, 60 Hz

**Operating Power:** 12 or 24 VAC or VDC

## OPERATING TEMPERATURE

-22° to +167°F

## DIMENSIONS

19" H x 15.25" W x 4" D

**Optional Trim Ring:** 21" H x 17.25" W x 4" D

## CLOCK/CALENDAR

Built-in 24-hour clock/calendar with battery back-up and daylight savings adjustment

## ENCLOSURE

16 gauge powder coated steel cabinet; 16 gauge brushed stainless steel front panel with articulating double-lock configuration

## 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-2000:** trim ring for completely flush/recess mounting

**AM-MIO Interface Module:** multiple Input/Output modules for monitoring and control of additional points; can also be used for elevator control

## 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

### Capabilities with AccessBase2000 Programming

Programming through dedicated PC
Up to 10,000 cardholders grouped in sets
Up to 24 card blocks with up to 1,900 cards each (45,600 total)
Up to 20,000 individually enrolled cards
Up to 24 transmitter blocks with up to 1,900 transmitters each (45,000 total)
Up to 20,000 individually enrolled transmitters
Up to 20,000 entry codes for cardholders
Up to 10,000 telephone directory codes for cardholders
10,000 event log entries per unit
Up to 31 access time zones
Up to six PBUS and two Weigand devices per unit

### Capabilities with AXNET Programming

Programming using ANY PC through browser software
Up to 2,000 cardholders
Up to 24 card blocks with up to 1,600 cards each (38,000 total)
Up to 2,000 individually enrolled cards
Up to 24 transmitter blocks with up to 1,600 transmitters each (38,400 total)
Up to 2,000 individually enrolled transmitters
Up to 2,000 key codes
Up to 2,000 telephone directory codes
2,500 event log entries per unit
Up to eight access time zones
Up to four PBUS and two Weigand devices per unit



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