



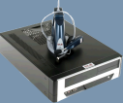







Environmental Control Units: AT Lab Equipment

Device										
Vendor	AbleNet	AbleNet	AbleNet	Quartet	Saje Technologies	Broadened Horizons	Break Boundaries	Accessibility Services, Inc	AbleNet	AbleNet
Voice Activated	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No	No
Switch Activated	Yes	Yes	Yes	Yes	Yes	Possible ⁸	Yes	Yes	Yes	Yes
Dynamic Touchscreen	No	Yes	No	No	No	No	Yes	Yes	No	No
Auditory Feedback	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No
Visual Feedback	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
IR Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
X-10 Control	Possible ²	Possible ²	Yes	Yes	Yes	Possible ^{2,3}	Possible ¹¹	Possible ¹¹	Possible ¹¹	No
Insteon Control	Possible ^{3,5}	Possible ^{3,5}	Possible ^{3,5}	Yes	Possible ^{3,5}	Possible ^{3,5}	Possible ¹¹	Possible ¹¹	Possible ¹¹	No
Z-Wave Control	No	No	No	No	No	No	Yes	Yes	No	No
Bluetooth	No	No	No	No	No	No	Yes	Yes	Yes	No
Wifi	No	No	No	No	No	No	Yes	Yes	No	No
Computer Access	No	No	No	No	No	No	Yes	Yes	No	No
Sero! Phone Control	Yes	Yes	Yes	No	Possible ³	No	Yes	Yes	Yes	No
Built in Telephone	No	No	No	Yes	Yes	No	No	No	No	No
Bed Control ⁹	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
IR Learning	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
AC Power	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Battery Power	Yes ¹	Yes	Yes	Yes ⁷	No	Yes ⁶	Yes	Yes	Yes	No
Cost ¹⁰	\$2,100.00	\$2,700.00	\$425.00	\$7,900.00	\$7,000.00	\$449.00	\$6,450.00	\$10,000.00	\$440.00	\$440.00
Strengths	Easy to learn IR commands, X10 pre-programmed, no setup required for Sero! phone.	X-10 pre-programmed, customizable menu system, no setup required for Sero! phone.	Easy to program, X10 pre-programmed.	Easy voice or switch directed programming.	No voice training, works well in nosiey environment, custom voice commands.	Voice direct programming, macros, auto muting	12 inch screen to view available commands, One command can trigger numerous functions	Many screen size options, AAC capabilities using GRID software, templates for computer access and Speech	Accessible from mobile device	Simple to control 2 plug in devices (lights). Multiple switch modes. Wireless capable
Weaknesses	Fixed device and names, trained to a single user. Need Pro for more flexibility	Time consuming to program if using custom menus and buttons	Only 8 IR comands	Must train all IR commands at once, trained to a single user, dated voice commands	Sensitive microphone, requires switch to initiate each command.	Only 4 separate main keywords, must repeat keyword for each command, very sensitive.	Dated graphics, limited software	No local installers	Expensive, large	Expensive, large

Notes:

- 1) Uses 2 AA rechargeable (NiMh) or normal alkaline batteries. See manual for proper switch position when installing non-rechargeable batteries.
- 2) Need X-10 IR reciever module (IR Command Center Model IR543) for interfacing to X-10 modules.
- 3) Must manually learn IR code(s)
- 4) Need X-10 RF Transceiver module (Mini: TM751 or RR501)
- 5) Need IR to Insteon Reciever (IRLinc Receiver Model 2411R) to convert IR signals to Insteon signals.
- 6) Uses 4 normal alkaline AA batteries.

- 7) Eight hour battery backup system.
- 8) May be ordered with switch access
- 9) Requires interface for specific bed model.
- 10) Base unit only, doesn't include bed interfaces, installation, etc.
- 11) Requires additional hardware