ablenet® | **tash** an ablenet company **2008/9 Environmental Control Units (ECU) Catalog**

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Control Your Environment. Open Your World!

Environmental Control Units (ECU's), or Electronics Aids for Daily Living (EADL's) as they are sometimes called, are voice and/or switch operated devices enabling persons with physical or neuromuscular disabilities to control their environment and open their world. ECU's provide increased independence in a home, hospital or rehabilitation facility setting, allowing the user to control and operate everyday items easily and effectively. ECU's increase quality of life and help return (or maintain) independent living.

What does an ECU do?

Environmental Controls Units offer a wide and diverse range of controls for many products and devices. The number of devices and items controlled by the ECU are based on the complexity of the chosen technology. ECU's can:
- Turn on lights and appliances
- Operate Remote Controlled devices such as TV
- Control a telephone
- Activate Electric Bed functions
- Operate door openers
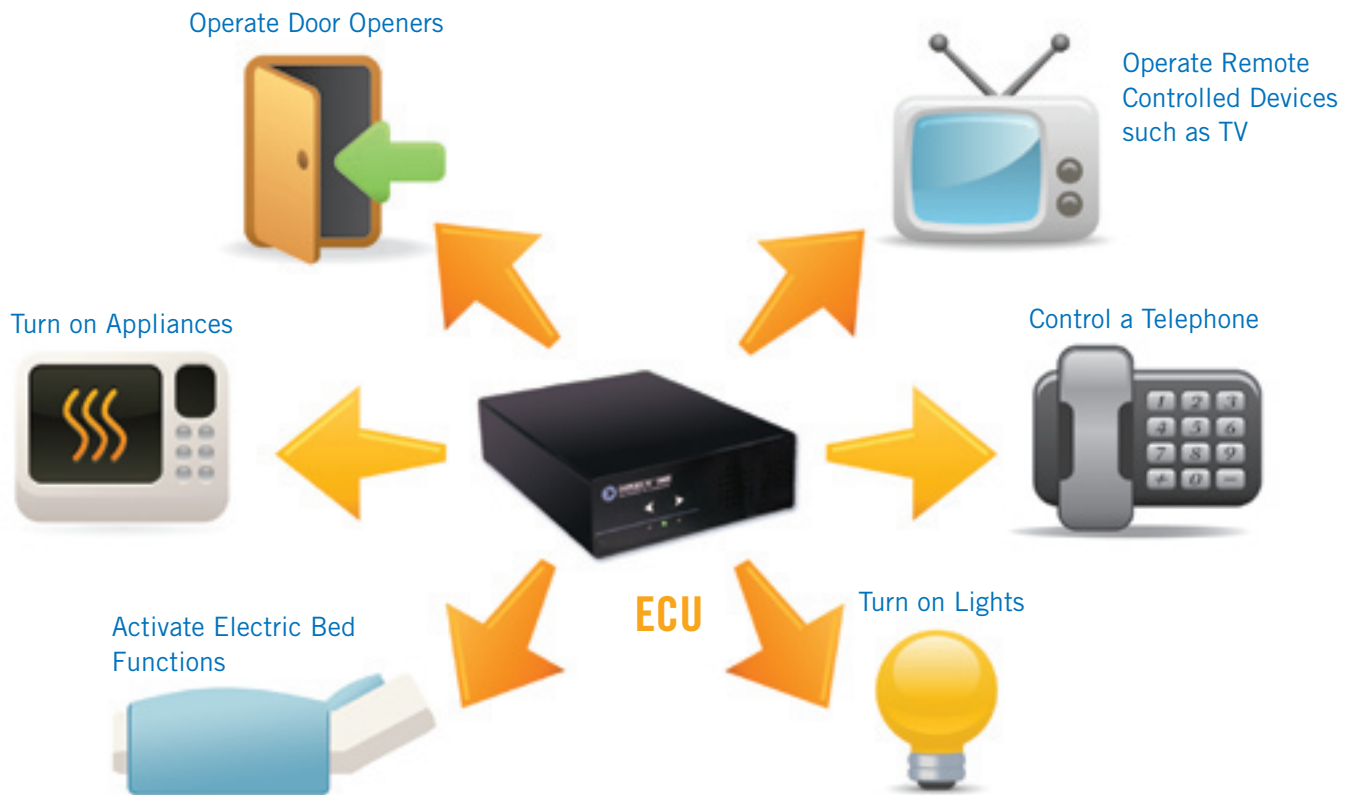- And many others daily living products

How is an ECU controlled?

Environmental Control Units are controlled and accessed by voice, by switch, or by a combination of both. The various methods of switch control are based on the abilities of the end user and can be modified and custom mounted to match the individual's needs. A few switch types include: breath switches (commonly called Sip and Puff), pressure switches, single and dual switches, and sensor (IR Beam) switches. Voice control is primarily dependent upon consistency of voice.

How does the ECU control electrical and Infrared (IR) devices?

Environmental Control Units operate electrical items by using X-10 and/or Insteon communication technology that utilizes the existing wiring in a home or hospital to send control signals to a particular device turning its power on or off.

Infrared (IR) control of common items such as TV, Satellite, DVD, etc is operated by the ECU transmitting the same IR signals as the remote control that came with the particular device. IR control signals can either be "learned" by the ECU or pre-programmed.

ECU FUNCTIONS

Operate Door Openers

Operate Remote Controlled Devices such as TV

Turn on Appliances

Control a Telephone

ECU

Activate Electric Bed Functions

Turn on Lights

ECU Questionnaire for Dealers and Installers

1. Does the customer "need" VOICE ECU control or SWITCH ECU control or both?
2. Does the customer have a consistent voice? (Not loudness.)
3. How are the customers memory and cognitive skills?
4. Does the customer have any sight or hearing impairments?
5. Is computer control and/or internet access needed via the ECU?
6. Where does the customer live? (Private home, nursing facility, hospital.)
7. What brand type of electric bed does the customer have?
8. Does the phone need to be portable?
9. Will the customer need to have a portable ECU for their W/C?
10. Will the customer be making any new major purchases? (New electric bed, TV, etc.)
11. What is the funding situation? (Capped money, unlimited budget, etc.)
12. Are there any other "goals" the customer is looking to achieve with their ECU?

PowerLink® 3 control unit

The PowerLink® 3 control unit gives students the ability to control most electric appliances, tools and toys with single switches. PowerLink 3 control unit also gives students the power to take turns operating devices, activate two devices in sequence or experience the freedom of choice making when deciding between two activities. Four modes of control, including Direct, Latch, Timed Seconds and Timed Minutes let you choose the amount of time the activity requires to ensure student success. PowerLink 3 delivers 1700 watts of power - enough to run most electrical appliances, tools and toys. Team PowerLink 3 with the AirLink cordless switch or use the PowerLink's built in switch jacks for corded switch activation

Four Modes of Control

- Direct: Keeps appliances ON as long as the switch is activated. Timed Seconds: Runs appliance from 1 to 60 seconds with each switch activation.
- Timed Minutes: Runs appliance from 1 to 60 minutes with each switch activation.
- Latch: First switch activation turns appliance ON; second activation turns it OFF.

Standard Features

- 1700 watts of power to control most plug-in appliances
- Choice feature allows two appliances to be turned on in sequence
- Two double outlets allows two appliances to be turned on simultaneously
- Two switch input jacks
- Remote receiver allows cordless operation with AirLink
- Four modes of control
- Convenient carrying handle and cord wrap
- Mounting available

Item Number

100-PL3D $189

AbleNet/Tash's line of ECU's or EADL's starts with the Mini Relax family. Simple, easy to train and use, and enough variety for most users. Clients can learn scanning techniques and move up to more complex units or just stay with these if they are comfortable at this level.

Mini Relax – Scanning

The Mini Relax is a scanning infrared transmitter that controls the TV, VCR, or any other device that operates using infrared. It will store up to six functions.

Complete with large and colorful graphics, it provides visual and auditory feedback and features two scan modes. The Mini Relax mounts easily and includes batteries.

- 6 trainable functions
- Auditory and visual scanning
- Auto scan
- 9V battery included
- Mounts easily

Specifications	
Size	6 x 3.5 x 1.5 in/ 15.5 x 9 x 3.5 cm
Weight	8 oz. / 2-- g

Mini Relax – Scanning

- 6 trainable functions
- Auditory and visual scanning
- Auto scan
- Mounts easily

Item Number
82050 $300

Mini Relax with Jacks

Side view, showing 6 switch option.
- One switch required for each functions
- No scanning
- Switches extra

Item Number
82060 $325
*Up to SIX switches not included

Mini Relax Package

Consists of Mini Relax (82050) and any model Buddy Button.
Please specify Buddy Button model number when ordering.
Item Number
82150 $340

Mini Relax with X-10

Package consists of Mini Relax, X-10 Radio Transceiver, any model of Buddy Button.
- Allows control of 1 lamp or fan, etc.
- Single switch scanning
Please specify Buddy Button model number when ordering.
Item Number
82070 $400

RELAX & PRISM D TELEPHONE

Relax II

Controls up to 4 infrared devices and 10 electrical appliances with a single switch. (84168, X-10 Transceiver required to operate electrical appliances)

- Scanning modes: auto, hold and step (factory set for auto, call for information to change, prior to ordering if required).
- Auditory and visual feedback!
- Trains with your regular remote control

Item Number

| 82050 | $600 |

Relax II System Package

Includes Relax II, any single switch, Transceiver and 2 X-10 modules.

Item Number

| 82100 | $750 |

Choose two of the following X-10 Modules
84160 Lamp
84162 Appliance
84163 3 Prong
84164 Wall
84166 Universal
84167 Chime

Features of the Relax 3 with the Prism™ D Telephone

Scan through 10 preset telephone functions, answer, hang-up, directory, down, up, dial, 5 speed dials

- Head set compatible

Item Number

| 83000 | $2000 |

Features of the Relax 3

- Programs with your regular remote control
- Easy to follow, adjustable scan speed
- Scanning modes: auto, (hold and step available, call for information to change prior to ordering if required)
- Sleek, discreet and easy to mount
- 10 X-10 functions
- 30 infrared functions (TV, VCR, DVD, CD, Satellite, or Stereo)
- Single switch and dual switch access
- Auditory and visual feedback

Relax 3 Dimensions		
Size	8 x 4 x 1 1/2 in	19.5 x 10 x 3.5 cm
Weigh	10 oz.	250 g
	8 oz.	200 g

Relax 3 System Package

Package Includes Relax 3, Prism D Telephone, X-10 Transceiver, two X-10 Modules and one single switch.

- Please specify which two X-10 modules
- Please specify which single switch

Item Number

| 83100 | $2150 |

AbleNet/Tash has a select group of specifically trained dealers to provide demonstrations and quotations for the full installation of these fully functional ECU's. Please call us for assistance.

Imperium 200H Features

- Integrated telephone
- Dual switch input
- X-10 Control for door openers, thermostats, lights, fans
- Infrared Control for most TVs, DVDs, Digital Satellite systems and more
- Back Up power for 6 hours
- Visual and auditory menu commands
- Easy to learn menu
- Programmable Infrared keys
- Bed Control and nurse call interface customized to work with most nurse call systems

Systems

Imperium Complete System Package

Consists of 200H, Bed Control, MobileLink, 3 X-10 modules and a Dual switch

Imperium System Package with Bed Control

Consists of 200H, Bed Control, 3 X-10 modules and a Dual switch

86000	Complete Package	$7200
86100	with Bed Control	$4200
86200	Basic System	$3580
86300	Mobile Link	$2995

Basic System

Consists of 200H, 3 X-10 modules

and a Dual switch
Call for demonstration, installation, and/or training costs.

MobileLink

Extend your access with MobileLink

REMOTE ACCESS

- Portable access
- Extends functionality of 200H unit
- Access your telephone from 250 feet away
- Compatible with wheelchair ECU ports
- Seamless and standard two way communication
- 2.4 Gigahertz wireless radio link
- Comes with boom headset
- Configured to operate off 12 or 24 Volts
- Two auxiliary jacks

*Special MobileLink pricing available. Call for details.

When the Imperium 200H is controlled by MobileLink the freedom and independence for the user has never been greater!

SICARE LIGHT II

SiCare Light II

Convert spoken commands into signals and control numerous devices – television, telephone, lights, door system, and more. The SiCare Light II is a brand new introduction to the North American market featuring simple voice programming steps and improved voice recognition capabilities. This portable and easily programmable device can be used in any environment.

- 15 pre-set command menus including television, bed, TV, satellite, light and device
- Seamless operation of the Prism D Telephone and the AbleNet/Tash IR Bed Controller
- No computer or laptop programming required
- Direct-to-unit Infrared Trainable for easy programming
- New microphone settings for background noise adjustments just like the SiCare Standard
- X-10 Control through the IR Command Center (see kit below)

88460	SiCare Light II	$2,100
88434	Prism D Telephone	$1200
82455	IR Bed Controller	$1000
88465	SiCare Light II X-10 Kit	$160

*Mounting systems available. Call for details.

Specifications

Input	Speech
	Dual switch or single switch with scanning
	Internal microphone
	External keys for caregiver use
Output	Infrared transmitter for control of your household consumer electronics
	Internal loudspeaker
Auditory	Voice feedback on menu commands

Dimensions		
Height	7 in	18.4 cm
Width	3 in	7.2 cm
Depth	1.75 in	4.4 cm
Weight	10 oz.	270 g

As these products are sophisticated and expensive, we urge you to examine all of the requirements and the supplier's ability to deliver on them before making a final decision.

Voice Activation SiCare Standard

Natural speech recognition for controlling your environment! SiCare Standard converts spoken commands into signals that control numerous devices within multiple environments.

Control the television, computer, telephone, lights, door systems, and so much more by voice alone.

SiCare's portability and programmability is designed for use in the home, at the workplace, in nursing homes and in hospitals.

- Voice recognition only from AbleNet/Tash
- Simple solutions for appliance control
- "...TV...ON...CHANNEL...UP"

Specifications

Input	•Speech
	•Dual switch or single switch wiith scanning
	•96 individual words available with multiple command use through menu structure
	•Internal microphone
	•External keys for caregiver use
Output	•Infrared transmitter for control of your household consumer electronics
	•Radio transmitter for X-10 control of household appliances
	•Internal loudspeaker
Auditory	•Voice feedback on menu commands, acknowledging acceptance of your voice command.
	•Auditory feedback on scanning.
Configuration	•A customized menu tree is developed

88405	SiCare Standard with Voice	$5,700
88434	Prism D Telephone	$1,200
82455	IR Bed Controller	$1,000

*Mounting systems available. Call for details.

ECU ACCESSORIES

As a leader in innovative advances for home control services, AbleNet/Tash has the experience and expertise to tackle just about any situation. From installations to training, we make every effort to accommodate your needs.

ECU Accessories

X-10 Components

X-10 communicates between transmitters and receivers by sending and receiving signals over the existing electrical wiring in your home. The Mini Relax with X-10 or the Relax II send radio frequency signals to the X-10 Transceiver. The X-10 Transceiver then sends commands to the X-10 modules throughout your home. A separate X-10 module is required for each appliance you want to control.

Wall Switch   **X-10 Transceiver**   **Universal**

84160	Lamp	$30
84162	Two-Prong Appliance Module	$30
84163	Three-Prong Appliance Module	$35
84164	Wall Switch	$35
84166	Universal Module	$40
84167	X-10 Remote Chime	$50
84168	X-10 Transceiver	$70

Chime   **Lamp**   **3-Prong**

Benefits of Infrared and the AbleNet/Tash Transmitters

- An infrared device is anything that you currently control with a hand held Infrared remote control.
- An Infrared system allows you to remotely control multiple infrared controlled devices in your environment.
- The AbleNet/Tash transmitters are quickly "trained" utilizing the individual's current remote for their infrared controlled devices.
- Scanning feature enables individuals to simplify multiple functions (such as turning on a device, changing the channels, turning the volume up or down) with a single switch.
- Adjustable scanning speed enables the transmitter to be personalized for the user's own reaction time and level of mobility.
- Transmitters are light and therefore easily mounted to a wheelchair, bed or tabletop.
- A bright red and or green scanning light and auditory beep enables individuals to clearly see and hear the current command.
- Depending on the individuals needs, the user can utilize the infrared coupled with the X-10 technology.

AbleNet/Tash IR Bed Control

IR Bed Control works with SiCare Standard and SiCare Light II. Must be installed by trained personnel. Only available for specific beds - check with AbleNet/Tash for availability as models change frequently and each unit is custom made.

82455	AbleNet/Tash IR Bed Control	$1,000

*Hand pendant my be required at an additional cost

AbleNet/Tash switches and mounting products have been tried and tested to ensure they meet the physical demands of our customers. We take care and precision to make certain all components meet the high quality and durabilty you expect. To view a full listing of AbleNet/Tash switches and mounting options, visit www.ablenetinc.com.

Related Switches

The following switches are recommended for use with AbleNet/Tash ECU's.

100-BR	Big Red® Switch	$43
57720	Buddy Button Switch	$48
58750	Pillow Switch	$100
58080	Mini Cup Switch	$60
10030101	Jelly Beamer Wireless Switch	$129
100-SPBL	Specs Switch	$49
86442	Imperium Sip & Puff Switch	$295
51050	Rocker Switch	$125

Big Red® Switch

Buddy Button Switch

Pillow Switch

Mini Cup Switch

Jelly Beamer
Wireless Switch

Specs Switch

Imperium Sip & Puff

Rocker Switch

Related Mounting Products

The following mounting products are recommended for use with AbleNet/Tash ECU's. Tash and Ablenet mounting hardware and accessories are not always interchangeable, call for more information.

66000	Tash Mounting Arm*	$240
1-USMSFKK	Friction Knob	$210
66305	19 in. Gooseneck	$110
66160	Relax Plate Connection	$60
66220	Super Clamp Connection	$70
100-LRMP	Large Rect. Mounting Plate	$19

*must be ordered with top connection and a bottom clamp to make a complete unit. All ordered separately.

Friction Knob

Tash Mounting Arm

Gooseneck (shown
with plate)

Relax Plate
Connection

Super Clamp

Large Rectangular
Mounting Plate

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