

CHAPTER 21

INDEX

5

555, 68, 92, 118, 227, 228
555 Timer, 68, 118, 227, 228

A

Alarm, 92, 118, 180
Amplifier, 15, 69, 71, 120, 180
Antenna, 118, 142, 143, 222
Armrests, 58, 96, 98, 99
Arthritis, 160
Audio, 66, 67, 68, 69, 71, 74, 75, 124, 184, 185, 188, 214, 215, 216
Autistic, 222

B

Backpack, 182
Battery, 59, 80, 81, 91, 92, 116, 122, 130, 140, 142, 145, 214, 215, 216, 222, 226, 233, 235, 238, 240
Bed, 108, 109
Belts, 98, 99, 104
Bicycle, 79, 162, 170, 171, 179
Blind, 1, 9, 77, 141, 160, 184
Board, 1, 2, 11, 19, 21, 22, 24, 25, 110, 120, 143, 218, 240
Brace, 65
Button, 55, 67, 76, 81, 91, 110, 111, 114, 122, 128, 129, 130, 140, 141, 142, 150, 214, 215, 216, 223, 224, 226, 236, 240

C

CAD, 11
Calculator, 74, 75, 122
Camera, 124, 188, 214, 215, 216, 234, 236
Car, 91, 110, 111, 148, 149, 180
Cart, 66, 67, 151, 182, 234, 235
Cause-Effect, 3
Cerebral Palsy, 104, 220, 224, 226, 228
Chair, 54, 56, 58, 59, 60, 78, 88, 89, 96, 98, 99, 104, 136, 145, 158, 166, 174, 175, 186, 218, 236, 238
Chassis, 5
Child, 55, 70, 71, 99, 102, 103, 106, 110, 136, 137, 150, 162, 170, 171, 220, 222
Children, xi, 1, 55, 58, 68, 70, 98, 99, 102, 104, 106, 136, 142, 148, 150, 162, 170, 171
Clutch, 101
Communication, xi, 12, 13, 14, 15, 17, 19, 20, 68, 110, 221, 222, 226, 234, 235, 236
Comparator, 68

, viii, 5, 12, 20, 58, 66, 67, 77, 80, 92, 96, 110, 124, 125, 148, 188, 220, 221, 222, 223, 224, 226, 228, 230, 232, 234, 235, 236, 238, 240, 291
Control, 15, 20, 59, 64, 68, 69, 71, 80, 81, 83, 85, 90, 91, 98, 100, 101, 102, 109, 110, 120, 124, 128, 129, 130, 136, 137, 140, 148, 150, 171, 174, 175, 182, 184, 185, 214, 215, 216, 218, 220, 221, 224, 226, 228, 230, 231, 232, 233, 234, 235, 236, 237, 238, 240, 241
Controller, 58, 91, 109, 110, 128, 129, 148, 149, 239

D

Database, 3, 12, 67
Deaf, 114, 180
Decoder, 226
Desk, 58, 59, 60, 61, 96, 188
Diode, 68, 92, 180, 181
Door Opener, 172, 240
Driving, 144, 160
Drum Set, 100

E

Encoder, 226
EPROM, 129

F

Feed, 184
Feedback, 3, 7, 10, 11, 14, 15, 66, 69, 81, 114, 116, 120, 166, 184, 221
Fiberglass, 88, 89, 108, 109
Foot, 64, 84, 85, 86, 100, 103, 104, 124, 175, 234

G

Gait Training, 82, 83
Gear, 62, 140, 150, 151, 165, 174, 175, 235
Glove, 232, 233

H

Head Switch, 218
Hysteresis, 68

I

Incentive, 21, 136
Infrared, 1, 80, 81, 92, 220, 221, 228, 235
Intercom, 124, 226, 227, 228
Inverter, 180

K

Keyboard, 17, 66, 67, 76, 77, 221, 224, 234, 236
Knee, 84, 85, 102

L

Lazy Susan, 63, 137
LCD, 70, 122, 214, 215
LED, 19, 69, 77, 81, 90, 92, 128, 129, 130, 140, 148, 215, 216, 220, 226
Leg, 63, 64, 85, 102, 108, 109, 144, 145, 171

M

Magnet, 58, 60
Microcontroller, 110, 111, 128, 129, 130, 218, 222, 231, 232, 233, 235, 240, 241
Microphone, 69, 111, 114, 116, 120, 180, 181, 188, 214, 215, 216, 222, 223, 234
Microprocessor, 4, 11, 70, 71, 74, 75, 80, 81
Modulation, 58
Motor, 15, 55, 58, 59, 61, 71, 81, 90, 91, 98, 109, 110, 136, 137, 148, 149, 150, 151, 160, 164, 174, 175, 177, 180, 181, 218, 226, 228, 230, 231, 232, 233, 235, 236, 237
Mounting System, 66, 67
Mouse, 188, 221, 224, 234
Multiple Sclerosis, 124, 158, 218

O

Orthosis, 18
Oscillator, 92, 228

P

Page Turner, 218
Paraplegic, 83
PC Board, 17
Photography, 10
Plexiglas, 56, 63, 96, 97, 234
Plywood, 106
Polyethylene, 84, 144, 176
Posture, 96
Potentiometers, 82, 83, 148, 149, 215
Power Supply, 11, 84, 124, 180, 215, 216, 218, 222, 231, 232, 235, 240
Pulley, 79, 82, 83, 84, 136, 137
Puzzle, 158
PVC, 140, 150

R

Radio, 142, 143, 181, 226, 235, 238
Radio Shack, 143, 181
RAM, 111, 129
Reading, 58, 66, 129, 158, 159, 176, 218
Receiver, 1, 15, 91, 92, 118, 124, 130, 142, 143, 214, 215, 216, 220, 221, 226, 231, 235, 238
Recreation, 162
Reed Relays, 228
Regulator, 82, 182, 240

, viii, 2, 9, 10, 68, 82, 84, 85, 114, 116, 120
Relay, 71, 85, 128, 129, 143, 151, 215, 231, 237, 240
Remote, 20, 90, 91, 110, 128, 129, 130, 145, 148, 149, 220, 221, 222, 223, 224, 226, 228, 230, 231, 234, 235, 236, 237, 238, 239, 240
Remote Control, 90, 91, 128, 130, 148, 149, 220, 221, 224, 228, 230, 231, 234, 235, 236, 237, 238, 239, 240
RF, 124, 130, 142, 143, 221, 222, 228, 235

S

Saddle, 99
Safety Factor, 97, 106
Scanner, 11, 66, 67, 240, 241
Scanning, 67
Sensor, 80, 81, 92, 124, 185, 240
Ski, 144, 228
Speech, viii, xi, 1, 11, 12, 23, 114, 116, 120, 181, 214, 222, 226, 233
Springs, 59, 140
Standing, 102, 124
Steering, 104, 148, 164, 165, 235
Support, xi, 1, 8, 9, 12, 13, 15, 20, 59, 76, 89, 96, 99, 102, 104, 106, 129, 137, 162, 166, 168, 169, 171, 175, 176, 177, 186, 218, 232
Swing, 58, 64, 150, 162
Switch, 59, 69, 71, 81, 85, 120, 128, 129, 130, 136, 137, 142, 143, 145, 149, 151, 160, 174, 175, 180, 181, 185, 214, 215, 216, 218, 220, 223, 231, 236, 237, 240

T

Table, 62, 63, 106, 129, 151
Telephone, 1, 12, 67, 124, 128
Thermometer, 129, 238
Timer, 70, 71, 92, 140
Toy, 55, 62, 70, 71, 110, 142, 148, 150
Toys, 62, 70, 142, 148
Train, 180, 214, 216, 235
Trainer, 68
Transmission, 56, 74, 75, 130, 226, 235
Transmitter, 92, 110, 118, 124, 130, 142, 143, 215, 216, 220, 226, 235, 238
Transportation, 64, 80, 144
Tray, 96, 106, 140, 141
Tricycle, 104
Tub, 174, 175

V

Velcro, 62, 63, 102, 104, 144, 158, 171, 232, 235
Visual Impairment, 66, 74, 76, 122
Voltage Regulator, 233

W

Walker, 176, 177
Wheel, 55, 56, 78, 79, 88, 89, 90, 110, 111, 137, 145, 164, 179, 235, 238
Wheelchair, 18, 56, 58, 59, 78, 80, 81, 88, 90, 96, 97, 102, 140, 141, 142, 144, 145, 148, 156, 157, 164, 165, 166, 172, 178, 179, 186, 220, 235, 238, 240