

COMBAT SEQUENCE

1. Declare Attack

2. Apply Situational Modifiers

3. Make the Opposed Test

A. Attacker rolls attribute + skill +/- modifiers

Attacker	Attribute	Skill
Astral	Willpower/Force	Astral Combat/Force
Matrix	attack program	Cybercombat
Melee	Agility	combat skill
Ranged	Agility	combat skill

B. Defender rolls attribute + skill +/- modifiers (+skill if on full defense)

Defender	Attribute	Skill	Full Defense
Astral	Intuition/Force	Astral Combat/Force	+Dodge/Force
Matrix	Response	Firewall	+Hacking/rating
Melee	Reaction	combat skill/Unarmed/Dodge	+Dodge
Ranged	Reaction	—	+Dodge

C. If attacker achieves more hits, attack succeeds. Ties can be considered a grazing hit (see p. 139). Otherwise, attack fails.

4. Compare Damage to Armor if the attack causes Physical damage

A. Attack's base DV + net hits = Modified Damage Value

B. Armor +/- AP modifier = Modified Armor Value

C. If the Modified Damage Value does not exceed the Modified Armor Value, damage is Stun rather than Physical.

Attack	Base DV	DV modifiers
Astral	(Charisma/Force) ÷ 2	net hits
Astral w/weapon focus	by weapon	net hits
Matrix	attack program	net hits
Melee (armed)	by weapon	net hits
Melee (unarmed)	Strength ÷ 2	net hits
Ranged	by weapon	net hits, ammo type, autofire*

*autofire does not count when comparing the Modified DV to the Modified Armor

5. Damage Resistance Test

Defender rolls attribute + Modified Armor Value. Each hit reduces the Modified DV by 1.

Attack	Attribute used	Armor used
Astral	Willpower	Mystic
Matrix	System/Willpower	Armor/Biofeedback Filter
Melee	Body	Impact
Ranged	Body	Ballistic or Impact

6. Apply Damage

Each remaining point of DV = 1 box of damage.

VISIBILITY MODIFIERS

Visibility Modifiers	Normal	Low-Light	Thermographic	Ultrasound
Full Darkness	-6	-6	-3	-3
Partial Light	-2	0	-2	-1
Glare	-1	-1	-1	0
Light Fog/Mist/Rain/Smoke	-2	-1	0	-1
Heavy Fog/Mist/Rain/Smoke	-4	-2	-2	-2
Thermal Smoke	-4	-2	-6	-2

MOVEMENT RATE TABLE

Metatype	Walking Rate (m/turn)	Running Rate (m/turn)
Humans, Elves, Orks	10	25
Dwarfs	8	20
Trolls	15	35

COMBAT TURN SEQUENCE

1. Roll Initiative

Initiative Score = Initiative attribute + hits

2. Begin First Initiative Pass

Characters act in turn from highest Initiative Score to lowest

3. Begin Action Phase

A. **Declare Actions.** Each character may take 1 Complex Action or 2 Simple Actions during their Action Phase. Each character also gets 1 Free Action to be taken on this phase or during any subsequent phase in the Combat Turn.

B. **Resolve Actions.**

4. Declare and Resolve Actions of Remaining Characters

5. Begin Next Initiative Pass

Characters who have more than one Initiative Pass may go again. Repeat this cycle for characters who get a third or fourth pass as well.

6. Begin new Combat Turn

SPELLCASTING BY THE NUMBERS

Step 1: Choose a Spell.

Step 2: Choose the Force up to the caster's Magic attribute (unless overcasting—see p. 172).

Step 3: Choose a Target within the caster's line of sight.

Step 4: Roll Magic + Spellcasting.

Step 5: Determine Effect (see spell description).

Step 6: Roll Willpower + attribute to resist Drain.

Step 7: Determine Ongoing Effects (-2 sustaining modifier).

PERCEPTION TEST THRESHOLDS

Item/Event Is:	Threshold
Obvious/Large/Loud	1
Normal	2
Obscured/Small/Muffled	3
Hidden/Micro/Silent	4

PERCEPTION TEST MODIFIERS

Situation	Dice Pool Modifier
Perceiver is distracted	-2
Perceiver is actively looking/listening for it	+3
Object/sound not in immediate vicinity	-2
Object/sound far away	-3
Object/sound stands out in some way	+2
Interfering sight/odor/sound	-2
Perceiver has active enhancements	+rating
Perceiver using virtual reality	-6



SKILLS AND LINKED ATTRIBUTES

PHYSICAL ATTRIBUTES

Agility

Archery
Automatics
Blades
Clubs
Escape Artist
Exotic Melee Weapon (Specific)
Exotic Ranged Weapon (Specific)
Forgery
Gunnery
Gymnastics
Heavy Weapons
Infiltration
Locksmith
Longarms
Palming
Pistols
Throwing Weapons
Unarmed Combat

Body

Diving
Parachuting

Reaction

Dodge
Pilot Aerospace
Pilot Aircraft
Pilot Anthroform
Pilot Exotic Vehicle (Specific)
Pilot Ground Craft
Pilot Watercraft

Strength

Climbing
Running
Swimming

MENTAL ATTRIBUTES

Charisma

Con
Etiquette
Instruction
Intimidation
Leadership
Negotiation

Intuition

Artisan
Assensing
Disguise
Interests Knowledge
Language
Navigation
Perception
Shadowing
Street Knowledge
Tracking

Logic

Academic Knowledge
Aeronautics Mechanic
Armorer
Automotive Mechanic
Computer
Cybertechnology
Cybercombat

Data Search
Demolitions
Electronic Warfare
First Aid
Industrial Mechanic
Hacking
Hardware
Medicine
Nautical Mechanic
Professional Knowledge
Software

Willpower

Astral Combat
Survival

SPECIAL ATTRIBUTE

Magic

Banishing
Binding
Counterspelling
Ritual Spellcasting
Spellcasting
Summoning

Resonance

Compiling
Decompiling
Registering

Note: You cannot default on *Italicized skills.*

DIFFICULTY TABLE

Difficulty	Threshold
Easy	1
Average	2
Hard	3
Extreme	4

BUYING HITS

Dice Pool	Automatic Hits
1-3	not possible
4-7	1
8-11	2
12-15	3
16-19	4
20-23	5
24-27	6
28-31	7
32-35	8
36-39	9

EXTENDED TEST DIFFICULTIES

Task Time	Interval
Fast	1 Combat Turn
Quick	1 Minute
Short	10 Minutes
Average	30 Minutes
Long	1 Hour
Consuming	1 Day
Exhaustive	1 Week
Mammoth	1 Month

Task Difficulty	Threshold
Easy	4
Average	8
Hard	12
Extreme	16+

RANDOM ALERT RESPONSE

1D6 Roll	Response
1	Launch Track IC
2	Launch Attack IC
3	Launch Blackout or Black Hammer IC
4	Scramble Security Hacker
5	Terminate Connection
6	System Reset/Shutdown

MATRIX SEARCH TABLE

Threshold	Difficulty
2	Easy
4	Average
8	Hard
16	Extreme

Interval	Search Area
1 Initiative Pass	Same device
1 Combat Turn	Same network
1 Minute	Entire Matrix

CONCEALABILITY TABLE

Concealability Modifier	Examples
-6	RFID tag, bug, slap patch, micro-electronics, micro-drone
-4	Hold-out pistol, monowhip, ammo, credstick, chips/softs, sequencer/passkey
-2	Light pistol, knife, sap, microgrenade, flash-pak, jammer, minidrone
+0	Heavy pistol, taser, grenade, goggles, commlink
+2	Machine pistol, medkit, club
+4	SMG, stun baton, sword
+6	Assault rifle, katana

AVAILABILITY INTERVAL

Item's Cost	Interval
Up to 100¥	12 hours
101 to 1,000¥	1 day
1,001 to 10,000¥	2 days
10,001¥+	1 week

WEAPON RANGE TABLE

Dice Pool Modifier:	+0	-1	-2	-3
	Range in Meters			
	Short	Medium	Long	Extreme
Pistols				
Taser	0-5	6-10	11-15	16-20
Hold-out Pistol	0-5	6-15	16-30	31-50
Light Pistol	0-5	6-15	16-30	31-50
Heavy Pistol	0-5	6-20	21-40	41-60
Automatics				
Machine Pistol	0-5	6-15	16-30	31-50
SMG	0-10	11-40	41-80	81-150
Assault Rifle	0-50	51-150	151-350	351-550
Longarms				
Shotgun (flechette)	0-10	11-25	26-40	41-60
Shotgun (slug)	0-10	11-40	41-80	81-150
Sporting Rifle	0-100	101-250	251-500	501-750
Sniper Rifle	0-150	151-350	351-800	801-1,500
Heavy Weapons				
Light Machine Guns	0-75	76-200	201-400	401-800
Medium/ Heavy Machine Gun	0-80	81-250	251-750	751-1,200
Assault Cannon	0-100	101-300	301-750	751-1,500
Grenade Launcher	*5-50	51-100	101-150	151-500
Missile Launcher	*20-70	71-150	151-450	451-1500
Ballistic Projectiles				
Bow	0-STR	To STR x 10	To STR x 30	To STR x 60
Light Crossbow	0-6	7-24	25-60	61-120
Medium Crossbow	0-9	10-36	37-90	91-150
Heavy Crossbow	0-15	16-45	46-120	121-180
Impact Projectiles				
Thrown Knife	0-STR	To STR x 2	To STR x 3	To STR x 5
Shuriken	0-STR	To STR x 2	To STR x 5	To STR x 7
Thrown Grenades				
Standard	0-STR x 2	To STR x 4	To STR x 6	To STR x 10
Aerodynamic	0-STR x 2	To STR x 4	To STR x 8	To STR x 15

* See *Grenade Launcher Minimum Range*, p. 145.

RANGED COMBAT MODIFIERS TABLE

Situation	Dice Pool Modifier
Attacker running	-2
Attacker in melee combat	-3
Attacker in a moving vehicle	-3
Target has partial cover	-2
Target has good cover	-4
Target hidden (blind fire)	-6
Attacker firing from cover	-1
Attacker wounded	-wound modifiers (see p. 153)
Attacker using laser sight	+1*
Attacker using smartlinked weapon	+2*
Attacker using image magnification	eliminates range modifiers (see p. 139) splits dice pool
Attacker using a second firearm	-2
Attacker using off-hand weapon	-2
Aimed shot	+1 per Simple Action
Called shot	-variable (see <i>Called Shots</i> , p. 149)
Multiple targets	-2 per additional target that Action Phase
Tracer rounds with short burst	+1
Tracer rounds with long burst	+2
Tracer rounds with full auto	+3
Recoil, semi-automatic	-1 for second shot that Action Phase
Recoil, burst	-2 (first burst), -3 (second)
Recoil, long burst	-5 (first burst), -6 (second)
Recoil, full auto	-9
Recoil, heavy weapon	2 x uncompensated recoil
Recoil compensation	Reduces recoil modi- fier
Gyro stabilization	Reduces recoil or movement modifier
Visibility Impaired	See Visibility Table

* Note that the bonuses for laser sights and smartlinks are not cumulative.

MELEE MODIFIERS TABLE

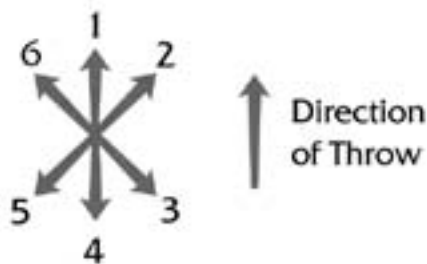
Situation	Dice Pool Modifier
Friends in the melee	+1 per friend (max. +4)
Character wounded	-wound modifier (see p. 153)
Character has longer Reach	+1 per point of net Reach*
Character using off-hand weapon	-2
Character attacking multiple targets	splits dice pool
Character has superior position	+2
Opponent prone	+3
Attacker making charging attack	+2
Defender receiving a charge	+1
Visibility impaired	See Visibility Table
Called shot	variable (see <i>Called Shots</i> , p. 149)
Touch-only attack	+2

* You may apply Reach as a -1 dice pool modifier per net point to the opponent instead.

DEFENSE MODIFIERS TABLE

Situation	Dice Pool Modifier
Defender unaware of attack	No defense possible
Defender wounded	-wound modifiers (see p. 153)
Defender inside a moving vehicle	+3
Defender has defended against previous attacks since last action	-1 per additional defense
Defender prone	-2
<i>Ranged Attacks only:</i>	
Defender running	+2
Defender in melee targeted by ranged attack	-3
Attacker firing wide burst	-2
Attacker firing long wide burst	-5
Attacker firing full-auto wide burst	-9
Attacker firing shotgun on medium spread	-2
Attacker firing shotgun on wide spread	-4
Attacker using area attack weapon (grenade, missile)	-2

SCATTER DIAGRAM



SCATTER TABLE

Type	Scatter
Standard Grenade	1D6 meters – 2 per net hit
Aerodynamic Grenade	2D6 meters – 4 per net hit
Grenade Launcher	3D6 meters – 4 per net hit
Rocket	2D6 meters – 1 per net hit
Missile	2D6 meters – 1 per net hit (– Sensor rating)
Airburst	1D6 meters – 1 per net hit (– Sensor rating)

MELEE WEAPONS TABLE

Blades	Reach	Damage Value	AP
Combat Axe	2	(STR/2 + 4)P	–1
Forearm Snap-Blades	—	(STR/2 + 2)P	—
Katana	1	(STR/2 + 3)P	–1
Knife	—	(STR/2 + 1)P	—
Monofilament Sword	1	(STR/2 + 3)P	–1
Survival Knife	—	(STR/2 + 1)P	–1
Sword	1	(STR/2 + 3)P	—
Clubs			
Club	1	(STR/2 + 1)P	—
Extendable Baton	1	(STR/2 + 1)P	—
Sap	—	(STR/2 + 1)S	—
Staff	2	(STR/2 + 2)P	—
Stun Baton	1	6S(e)*	–half
Cyberware (Blades or Exotic Melee)			
Hand Blade	—	(STR/2 + 2)P	—
Hand Razors	—	(STR/2 + 1)P	—
Spur	—	(STR/2 + 3)P	—
Cyberware (Unarmed)			
Aluminum Bone Lacing	—	(STR/2 + 2)P	—
Plastic Bone Lacing	—	(STR/2 + 1)P	—
Titanium Bone Lacing	—	(STR/2 + 3)P	—
Shock Hand	—	6S(e)*	–half
Exotic Melee Weapons			
Pole Arm	2	(STR/2 + 2)P	–2
Monofilament Chainsaw	1	5P	–2
Monofilament Whip	2	8P	–4
Riot Shield	—	(STR/2)S	+2
Taser Armor/Shield	—	6S(e)*	–half
Unarmed			
Shock Glove	—	5S(e)*	–half
Unarmed	—	(STR/2)S	—
Sample Improvised Weapons			
Bottle (unbroken):			
Clubs, broken: Blades	—	(STR/2)P	+1
Chain/Whip (Exotic Melee)	1	(STR/2 + 1)P	+1
Chair (Clubs)	1	(STR/2 + 1)S	—
Frying Pan (Clubs)	—	(STR/2 + 1)S	+1
Metahuman Body			
(Unarmed Combat)	1	(BOD/2)S	+2
Pistol/Rifle Butt (Clubs)	—	(STR/2 + 1)P	—
Pool Cue			
(Clubs, breaks after first hit)	1	(STR/2)S	—

*(e) means that the weapon inflicts Electricity damage (see p. 154).

PROJECTILE WEAPONS TABLE

Weapon	Damage Value	AP
Bow	(STR Min. +2)P	—
Light Crossbow	3P	—
Medium Crossbow	5P	—
Heavy Crossbow	7P	–1
Shuriken	(STR/2)P	—
Throwing knife	(STR/2 + 1)P	—

GRENADE DAMAGE TABLE

Type	Damage Code	AP	Blast
Flash-Bang	6S	–3	10m Radius
Flash-Pak	Special	—	Special
Fragmentation	12P(f)	+2	–1/m
High Explosive	10P	–2	–2/m
Gas	Chemical	—	10m Radius
Smoke	—	—	10m Radius
Thermal Smoke	—	—	10m Radius

CHARISMA-LINKED OPPOSED TESTS

Skill Used	Acting Character Rolls:	Target Character Rolls:
Con	Con + Charisma	(Con or Negotiation) + Charisma
Etiquette	Etiquette + Charisma	Perception + Charisma
Intimidation	Intimidation + Charisma	Intimidation + Willpower
Leadership	Leadership + Charisma	Leadership + Willpower
Negotiation	Negotiation + Charisma	Negotiation + Charisma

SIGNAL RATING TABLE

Signal Rating	Signal Range
0	3 m
1	40 m
2	100 m
3	400 m
4	1 km
5	4 km
6	10 km
7	40 km
8	100 km
9	400 km

BARRIER RATING TABLE

Material	Armor Rating	Structure Rating
Fragile	1	1
Cheap Material	2	3
Average Material	4	5
Heavy Material	6	7
Reinforced Material	8	9
Structural Material	12	11
Heavy Structural Material	16	13
Armored/Reinforced Material	24	15
Hardened Material	32+	17+

DAMAGING BARRIERS TABLE

Weapon	DV Modifier
Melee or Unarmed	No change
Whip/Monofilament whip	DV of 1
Projectile	DV of 1 per projectile
Bullet	DV of 2 per bullet
Explosive	base DV x 2
AV rocket/missile	base DV x 3
Combat spell	No change

BUILD/REPAIR TABLE

Item or Part/Repair	Threshold
Simple/Malfunction	2
Basic/Easy Fix	4
Complex/Common Repair	8
Intricate/Serious Damage	12
Exotic/Broken Beyond Repair	16+

Situation	Dice Pool Modifier
Working Conditions:	
Distracting	-1
Poor	-2
Bad	-3
Terrible	-4
Superior	+1
Tools and/or Parts Are:	
Inadequate	-2
Unavailable	-4 or not allowed
Superior	+1 or more
Plans or Reference Material:	
Available	+1
Augmented Reality Enhanced	+2
Working From Memory	
Logic 5+	+0
Logic 1-4	-(5 - Logic)

KNOWLEDGE SKILL TABLE

Character Seeks:	Threshold
General knowledge	1
Detailed knowledge	2
Intricate knowledge	3
Obscure knowledge	4

OBJECT RESISTANCE TABLE

Category	Threshold
Natural Objects (Trees, Soil, Unprocessed Water)	1
Manufactured Low-Tech Objects and Materials (Brick, Leather, Simple Plastics)	2
Manufactured High-Tech Objects and Materials (Advanced Plastics, Alloys, Electronic Equipment)	3
Highly Processed Objects (Computers, Complex Toxic Wastes, Drones, Vehicles)	4+

SIGNATURE TABLE

Target Vehicle	Modifier
Large and oversized vehicles (trains, construction vehicles, zeppelins, tractor-trailers, airliners)	+3
Electric-powered (EP) vehicles	-3
Metahumans, critters	-3
Drones	-3
Micro-drones	-6

SAMPLE DEVICES

Device Type	Device Rating	Example
Dumb	1	General appliances, bodyware
Simple	2	Public terminals, entertainment systems
Average	3	Standard personal electronics, headware, vehicles, drones, home/business terminals
Complex	4	Security vehicles, alphaware, research terminals, security devices
Smart	5	High-end devices, betaware, security terminals, military vehicles
Cutting-Edge	6	Deltaware, credsticks

VEHICLE TEST THRESHOLD TABLE

Situation	Threshold
Easy	1
Average	2
Hard	3
Extreme	4

TERRAIN TABLE

Terrain Type	Threshold Modifier
Open	0
Light	+1
Restricted	+2
Tight	+3

HANDLING RATING TABLE

Vehicle	Handling
Motorcycle	+2
Car	0
Sports car	+3
Truck	-1
18-Wheeler	-3
Autogyro	+2
Utility helicopter	0
Combat helicopter	+3
Single-engine airplane	0
Jumbo jet	-3
Jet fighter	+3
T-bird	0

ASSESSING TABLE

Hits	Information Gained
0	None
1	The general state of the subject's health (healthy, injured, ill, etc.). The subject's general emotional state or impression (happy, sad, angry). Whether the subject is mundane or Awakened.
2	The presence and location of cyberware implants. The class of a magical subject (fire elemental, manipulation spell, power focus, and so on). If you have seen the subject's aura before, you may recognize it, regardless of physical disguises or alterations.
3	The presence and location of alphaware cyber-implants. Whether the subject's Essence and Magic are higher, lower, or equal to your own. Whether the subject's Force is higher, lower, or equal to your Magic. A general diagnosis for any maladies (diseases or toxins) the subject suffers. Any astral signatures present on the subject.
4	The presence and location of bioware implants and betaware cyber-implants. The exact Essence, Magic and Force of the subject. An accurate diagnosis of any disease or toxins which afflict the subject.
5+	Any other implants. The general cause of any emotional impression (a murder, a riot, a religious ceremony, and so on). The general cause of any astral signature (combat spell, hearth spirit, and so on). The fact that a subject is a technomancer.

ASTRAL TRACKING MODIFIERS

Condition	Threshold Modifier
Each hour passed since astral link was active	+1
Target behind mana barrier	+Force of barrier
Tracking master by spirit:	
Bound spirit	No modifier
Unbound spirit	+2