



# CHE·NU XR PRESETS PACK

XR.v1.0 — Foundation / Presets / Immersive-Layers

*"5 curated immersive environments for CHE·NU spatial experiences."*



Status: CANONICAL

## OVERVIEW

The XR Presets Pack provides 5 carefully designed immersive environments for CHE·NU spatial experiences. Each preset defines lighting, sky, floor, ambience, decor elements, and interaction parameters optimized for specific use cases.

Preset	Mood	Interaction	Best For
● Classic	Calm, grounded	2.5m	Daily use, meditation
● Cosmic	Expansive, awe	4m	Memory review, planning
● Builder	Ancient, focused	2m	Construction work
● Sanctum	Futuristic, clean	3m	Data analysis, AI work
● Jungle	Natural, alive	2m	Creative thinking

### Shared Principles

- **Accessibility-safe:** All presets avoid high motion effects
- **Comfort-first:** Reduced parallax, capped brightness
- **Consistent UX:** Universal navigation and menu systems
- **Ethical design:** No cognitive pressure or manipulation

## XR\_CLASSIC

■ ■ CLASSIC CHE·NU

ID: xr\_classic



■ **Lighting:** warm\_low

■ **Sky:** soft\_gradient

■ ■ **Floor:** stone\_circle

■ **Ambience:** low\_wind + subtle\_chimes

■ **Decor:** stone-pillars, soft lanterns, tree-of-links

■ **Special:** Interactive tree-of-links

■ ■ Accessibility-safe

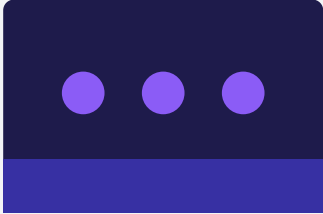
The Classic preset embodies CHE·NU's core identity: warm, grounded, and contemplative. It features a stone circle floor with soft lanterns creating pools of ambient light. The interactive tree-of-links serves as a central navigation element.

### Ideal Use Cases

- Daily interactions and general navigation
- Meditation and reflection sessions
- Onboarding new users to CHE·NU
- Extended work sessions requiring calm focus

COSMIC ORBIT

ID: xr\_cosmic



■ Lighting:

deep\_starfield

■ Sky:

nebula\_dynamic

■ Floor:

translucent\_orbit\_ring

■ Ambience:

ambient\_cosmic\_hum

■ Decor:

floating\_memory\_shards, drift\_lines

■ Special:

Agent orbit paths

■ Accessibility-safe

Cosmic Orbit creates an expansive, awe-inspiring environment with dynamic nebula backgrounds and floating memory shards. Agents follow visible orbit paths, creating a sense of vast interconnected intelligence.

## Ideal Use Cases

- Memory review and knowledge exploration
- Strategic planning and big-picture thinking
- Multi-agent collaboration visualization
- Creative ideation requiring expansive mindset

## XR\_BUILDER

■ ANCIENT BUILDER

ID: xr\_builder



■ Lighting: torch\_soft

■ Sky: cavern\_skybox

■ Floor: engraved\_stone

■ Ambience: deep\_echo + earth\_resonance

■ Decor: monolith\_logs, tool-altars

■ Special: Blueprint projection field

■ Accessibility-safe

Ancient Builder evokes a mystical workshop where ancient wisdom meets modern creation. Soft torchlight illuminates engraved stone floors, while tool-altars provide access to construction capabilities. The blueprint projection field enables spatial planning.


### Ideal Use Cases

- Construction project planning and review
- Technical documentation work
- Focused building and development tasks
- Blueprint and schematic analysis

## XR\_SANCTUM

■ FUTURIST SANCTUM

ID: xr\_sanctum



■ Lighting: neon\_low

■ Sky: holo\_grid

■ Floor: reflective\_white

■ Ambience: smooth\_aether

■ Decor: AI\_coral\_structures, logic-streams

■ Special: Real-time data feeds

■ Accessibility-safe

Futurist Sanctum presents a clean, high-tech environment with holographic elements. AI coral structures grow organically while logic-streams (information waterfalls) provide ambient data visualization. Perfect for analytical work.

### Ideal Use Cases

- Data analysis and visualization
- AI collaboration and orchestration
- Technical research and investigation

- Real-time monitoring and dashboards

# XR\_JUNGLE

JUNGLE HAVEN

ID: xr\_jungle

- **Lighting:** filtered\_sun
- **Sky:** tropical\_fog
- ■ **Floor:** moss\_platform
- **Ambience:** rainforest\_soft
- **Decor:** root\_bridges, canopy\_memory\_nodes
- **Special:** Wildlife ambience randomizer

■ ■ Accessibility-safe

Jungle Haven immerses users in a lush, living environment. Filtered sunlight creates dappled shadows on moss platforms, while root bridges connect different areas. Memory nodes are embedded in the canopy, accessible through natural navigation.

### Ideal Use Cases

- Creative thinking and brainstorming
- Nature-inspired work sessions
- Stress reduction during intensive tasks
- Organic information exploration

# UNIVERSAL XR RULESET

All presets share a universal ruleset that ensures consistent, comfortable, and safe XR experiences across environments.

UNIVERSAL XR RULESET

■ **Transitions**

- fade\_portal
- 800ms duration
- soft\_whoosh audio

■ **Menus**

- right\_hand anchor
- radial mode
- adaptive: true

■ ■ **Safety**

- boundary\_mesh
- auto\_recenter
- collision\_soft

■ **Navigation Modes:**

teleport\_step

slow-glide (comfort)

fixed-node travel

### Transition System

Property	Value	Description
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type	fade_portal	Smooth portal transition effect
duration	800ms	Comfortable transition speed
audio	soft_whoosh	Non-jarring audio feedback

**Safety Features**

Feature	Description
boundary_mesh	Visual guardian boundary system
auto_recenter	Automatic view recentering
collision_soft	Soft collision feedback, no jarring stops

# EXPORT FORMAT

XR presets are exported as bundles containing all configuration needed to instantiate the environment.

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    "version": "1.0",
    "hash": "sha256_signature",
    "presets": [
      {
        "id": "xr_classic",
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        "sky": { "type": "soft_gradient", "colors": [...] },
        "floor": { "type": "stone_circle", "material": "..." },
        "ambience": { "sounds": ["low_wind", "subtle_chimes"] },
        "interaction_radius": 2.5,
        "ui_layer": "floating_panels",
        "avatar_style": "neutral-minimal",
        "decor": [...],
        "constraints": { "high_motion": false, "accessibility": true }
      }
      // ... more presets
    ]
  }
}
```

# SUMMARY

Preset	Theme	Key Feature	Radius
xr_classic	Warm, grounded	Tree-of-links	2.5m
xr_cosmic	Expansive, cosmic	Agent orbit paths	4m
xr_builder	Ancient, focused	Blueprint projection	2m
xr_sanctum	Futuristic, clean	Real-time data feeds	3m
xr_jungle	Natural, alive	Wildlife randomizer	2m

*Immersive environments that respect the human.  
Beauty that serves, never manipulates.*

