Subject: Weapons Explained Posted by Anonymous on Mon, 14 Oct 2002 04:15:00 GMT

View Forum Message <> Reply to Message

Ok I know allot of you people have been trying to figure out how to create your weaponsso they are correctly positioned and oriented depending on if its viewed in 1st or 3rd personor if its on the character's back. Well I'll try to make it easy to understand. First you need 3 individual models for the weapon.it's always a good idea to use same name convention WW uses for their models, I'll usethe auto-rifle weapon for the example.- Weapon models for 3rd person view are named like w rifl.w3d (where rifl is your weapon name)- Weapon models for when the gun is on the character's back are named like this: w rifl b.w3d- Weapon models for 1st person view are f gm rifl.w3d (gm proly stands for Gun Mesh or Gun Model, or whatever you named like this: prefer)3rd person weapon models:-----All characters have a "gun bone" that tells renegade which hand does hold the gun.the weapon's pivot point is positioned at this "gun bone" position. In other words, once you have created your weapon mesh, move its pivot whereyou want the hand to be you fix the style that the character should hold the gun in Level Editor i.e.: Shoulder: uses both hands (second hand position is set automatically by Renegade)Pistol: uses one handetc...Now the weapon and its pivot needs to be correctly oriented in RenX:Weapon Orientation:Viewing from top, the weapon should be pointing to the right, and the top side of theweapon is facing you. Pivots Axes: X is pointing to the front of the gun (right in top view)Y is pointing to the top side of the gun (pointing at you in top view)Z is pointing to the right side of the gun (down in top view) Weapons Bones: Muzzle A0, A1: position at which bullets are fired, muzzle bones pivots axesare oriented the same way the weapon's pivot is.eject: position at which shells exits, its pivot's Z axis is pointing to the back of the gunand its pivot's X or Y determines which way the shell exits (I think X does)Origin: use world axes coordinate, positioned a little back of the weapon's pivot(approximately at elbow's position) If you use a muzzle flash aggregate, link it to the muzzle just like for vehicles.1st person weapon models:-----For 1st person view, you can use the same model, or create a simplified version of itwith details only in the viewable parts of the gun. Also, for 1st person view, you haveto create a magazine mesh for the reload anim. Like for 3rd person view, the weapon's pivot position determines where the handshould hold the gun. Weapon Orientation: Orientation of the weapon for first person view is different then the 3rd person. Viewing from top, the weapon should be pointing down, its right side facing you. Weapon Pivot axes:X is pointing to the top side of the gun (right in top view)Y is pointing to the back side of the gun (up in top view)Z is pointing to the right side of the gun (pointing at you in top view) Magazine Pivot axes and position: X is pointing to the right side of the gun (pointing at you in top view)Y is pointing to the back side of the gun (up in top view)Z is pointing to the top side of the gun (right in top view)The pivot of the magazine is positioned at the top of the magazine mesh (pivot's Z max), back most of the magazine (pivot's Y max) and left most of the weapon side (pivot's X axis). The magazine mesh itself is positioned wherever you want it to be on the gun. Name the magazine: f cm rifl (where rifl matches your weapon's name)Bones:MuzzleA0, A1: for 1st person view, muzzle bone uses a different pivot orientation, X points direction of bullets (down in top view) Y is pointing to the right side of the gun (pointing at you in top view)Z is pointing to the top side of the gun (right in top view)eject: eject bone's pivot orientation is also different from 3rd person view,X should be pointing direction of shells to exit (right, up 45 degree)Y is pointing to the back side of the weapon (up in top view)Z is pointing right, down (45 degree)Origin: Origin might be determining how far the gun is from the camera, in the auto-riflew3d, it is centred to the weapon's pivot position, aligned with world coordinates. Back weapon models:-----This is the model used