

Covey Chat Extender

Introduction

The Covey Chat Extender extends local chat throughout a parcel or region. It allows you to set a height range to ignore avatars that exceed or fall below the maximum and minimum heights. Additionally, you can define specific areas to exclude.

The system is designed to be as simple as possible while maintaining maximum flexibility and minimising script use.

Features

- Extend chat to a region or parcel.
- Exclude avatars below a minimum height.
- Exclude avatars above a maximum height.
- Exclude avatars in any other areas you specify.
- No duplicated messages
 - Avatars less than 20m from each other don't get extended messages
 - Only one extender processes an avatar's chat to avoid duplicate messages.
- Extenders can be grouped. This arrangement enables you to position one set in the sky and another at ground level without mutual interference.
- Fully networked settings. Set multiple extenders in the same or different groups to change a setting all at once or to change only one at a time.
- Add managers who can control the extenders.
- TOS Compliance: For public regions, there is an option for avatars to allow or refuse their chat to be extended. This can be disabled in private regions.
- Manually add or remove avatars from the extended ban or allow list.

Basic Setup

- Rezz out a provided hexagon shape and place it where you want chat to be heard.
- Rez an extender in the centre of the hexagon.
- Set the extender group number.
- Set the maximum and minimum heights.
- Set parcel/region.
- Add managers and any other settings, such as excluded areas
- Drag copy to duplicate additional hexagons and extenders into position as explained below. (settings remain in duplicated extenders).

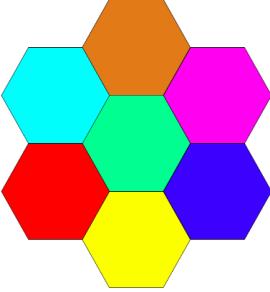
- Once you have chat extended to cover the entire area you need, delete the hexagons, leaving the extender prims in place.

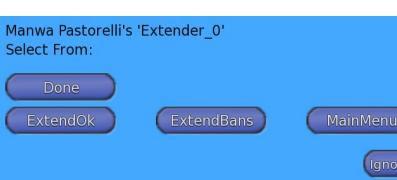
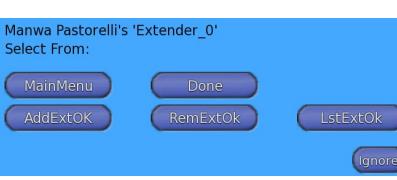
Chat Extender Layout

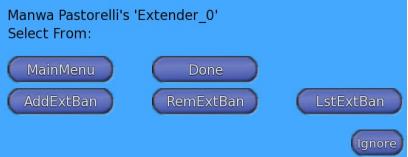
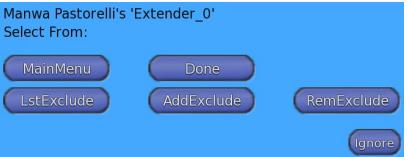
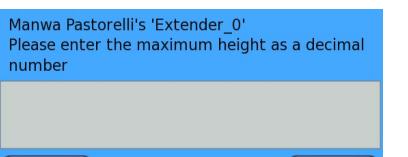
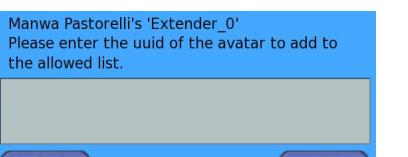
Each extender rezzed can only hear avatars within 20m of it. This means if you wish to hear avatars over a large area, multiple extenders need to be rezzed. The most effective layout for this is a hexagonal pattern.

Covey Chat extender comes with a helpful pre-sized mesh to help with this. Hexagonal setups ensure the entire area is covered while minimising overlaps.

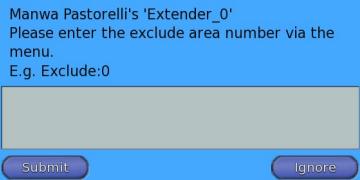
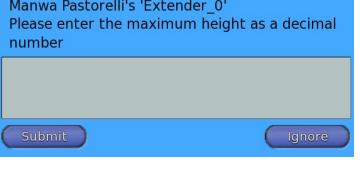
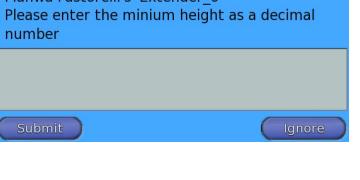
Avoiding any overlaps is impossible without gaps in the listening area. However, the Covey Chat extender detects which listener the avatar is nearest to. Only the nearest extender will extend that avatar's chat. This avoids chat being duplicated.

<p>Covey Chat Extender Layout</p> 	<p>The chat extenders actually listen to a sphere with a radius of 20m.</p> <p>We provide a hexagon prim for easy lineup purposes.</p>
<p>Listening to a three-dimensional area without gaps in the listening area.</p>	<p>The listening area for each extender is actually a sphere rather than a flat circle, as shown in the diagram.</p> <p>If you need to listen vertically as well as horizontally, the same pattern must be reflected in both directions.</p>
<p>Listening Gaps</p>	<p>Gaps in the listening area are addressed by not installing an extender. Such as no extender in the green area.</p> <p>This allows places chat to be extended to, but not sent from.</p>
<p>Excluded Areas</p>	<p>Excluded areas will ignore avatars within them, regardless of whether they are in a listening area.</p>

<h3>Main Menu</h3>  <p>Manwa Pastorelli's 'Extender_0' Max Height: 2015 Min Height: 2000 Set Number: 10 Range: Parcel Use Allow List: No Excluded Area Count: 0</p> <p>Buttons: ExtendList, Done, ExclAreas, Managers, UseAllow, ExtSetNum, HeightCont, TransRange, Ignore</p>	<ul style="list-style-type: none"> ● ExtendList: <ul style="list-style-type: none"> ○ Add or remove users from the extender ban and ok list. ● ExcludeAreas: <ul style="list-style-type: none"> ○ Add or remove extender exclusion areas. ● ExtSetNum: <ul style="list-style-type: none"> ○ Set the group number for the extender. ● Managers: <ul style="list-style-type: none"> ○ Add and remove managers ● HeightCont: <ul style="list-style-type: none"> ○ Set the maximum or minimum height limits. ● UseAllow: <ul style="list-style-type: none"> ○ Turns the extender allow list on and off. ● TransRange: <ul style="list-style-type: none"> ○ Sets the extension area to parcel or region.
<h3>Extend List Menu</h3>  <p>Manwa Pastorelli's 'Extender_0' Select From:</p> <p>Buttons: Done, ExtendOk, ExtendBans, MainMenu, Ignore</p>	<ul style="list-style-type: none"> ● ExtendOk: <ul style="list-style-type: none"> ○ Add or remove avatars from the extender allow list. ● ExtendBans: <ul style="list-style-type: none"> ○ Add or remove avatars from the extender ban list.
<h3>Extend Ok Menu</h3>  <p>Manwa Pastorelli's 'Extender_0' Select From:</p> <p>Buttons: MainMenu, Done, AddExtOK, RemExtOk, LstExtOk, Ignore</p>	<ul style="list-style-type: none"> ● AddExtOk: <ul style="list-style-type: none"> ○ Add avatar to the allow extend list ● RemExtOk <ul style="list-style-type: none"> ○ Remove avatar from the extend ban list ● LstExtOk <ul style="list-style-type: none"> ○ List all avatars on the allow extend list in local chat

<h3>Extend Bans Menu</h3> 	<ul style="list-style-type: none"> ● AddExtBan: <ul style="list-style-type: none"> ○ Add avatar to the extension ban list. ● RemExtBan: <ul style="list-style-type: none"> ○ Remove avatar from the extension ban list. ● LstExtBan: <ul style="list-style-type: none"> ○ List avatars on the extension ban list in local chat.
<h3>Exclude Areas Menu</h3> 	<ul style="list-style-type: none"> ● LstExclude: <ul style="list-style-type: none"> ○ List excluded areas in local chat. ● AddExclude: <ul style="list-style-type: none"> ○ Add excluded area. ● RemExclude: <ul style="list-style-type: none"> ○ Remove excluded area.
<h3>Manager Menu</h3> 	<ul style="list-style-type: none"> ● AddManager: <ul style="list-style-type: none"> ○ Add a manager. ● RemManager: <ul style="list-style-type: none"> ○ Remove a manager. ● LstManager: <ul style="list-style-type: none"> ○ List managers in local chat.
<h3>Height Control Menu</h3> 	<ul style="list-style-type: none"> ● MaxHeight: <ul style="list-style-type: none"> ○ Set the maximum height for extended chat. ● MinHeight: <ul style="list-style-type: none"> ○ Set the minimum height for extended chat.
<h3>Enter Extender Number</h3> 	<ul style="list-style-type: none"> ● Enter the extender group number. This must be a whole number with no leading or trailing spaces or line returns.
<h3>Add Manager</h3> 	<ul style="list-style-type: none"> ● Enter the UUID (key) of the new manager. There must be no leading or trailing spaces or line returns.

<h3>Remove Manager</h3> <p>Manwa Pastorelli's 'Extender_0' Please enter the uid of the manager to remove.</p> <p>Submit Ignore</p>	<ul style="list-style-type: none"> Enter the UUID (key) of the manager to remove. There must be no leading or trailing spaces or line returns.
<h3>Add Extend Ok</h3> <p>Manwa Pastorelli's 'Extender_0' Please enter the uid of the avatar to add to the allowed list.</p> <p>Submit Ignore</p>	<ul style="list-style-type: none"> Enter the UUID (key) of the new avatar to allow chat extension. There must be no leading or trailing spaces or line returns.
<h3>Remove Extend Ok</h3> <p>Manwa Pastorelli's 'Extender_0' Please enter the uid of the avatar to remove from the allowed list.</p> <p>Submit Ignore</p>	<ul style="list-style-type: none"> Enter the UUID (key) of the avatar to remove. There must be no leading or trailing spaces or line returns.
<h3>Add Extender Ban</h3> <p>Manwa Pastorelli's 'Extender_0' Please enter the uid of the avatar to add to the extender ban list.</p> <p>Submit Ignore</p>	<ul style="list-style-type: none"> Enter the UUID (key) of the new avatar to disallow chat extension. There must be no leading or trailing spaces or line returns.
<h3>Remove Extender Ban</h3> <p>Manwa Pastorelli's 'Extender_0' Please enter the uid of the avatar to remove from the extender ban list.</p> <p>Submit Ignore</p>	<ul style="list-style-type: none"> Enter the UUID (key) of the avatar to remove. There must be no leading or trailing spaces or line returns.
<h3>Add Excluded Area</h3> <p>Manwa Pastorelli's 'Extender_0' Please enter the exclude area. Valid entries have two vectors with a : inbetween them E.g: <1,1,1>:<2,2,2></p> <p>Submit Ignore</p>	<ul style="list-style-type: none"> Enter the exclude area. Exclude areas are made up of two vectors $\langle x,y,z \rangle$ separated by a colon(:) All vectors have a < at the start and > at the end There must be no leading or trailing spaces or line returns.

<h3>Remove Excluded Area</h3> 	<ul style="list-style-type: none"> Each excluded area is given a number that you can see by using the list of excluded areas. Enter the number as a whole number. There must be no leading or trailing spaces or line returns.
<h3>Set Maximum Height</h3> 	<ul style="list-style-type: none"> Enter the maximum height for chat to be extended to. This must be a whole number or decimal value There must be no leading or trailing spaces or line returns.
<h3>Set Minimum Height</h3> 	<ul style="list-style-type: none"> Enter the minimum height for chat to be extended to. This must be a whole number or decimal value There must be no leading or trailing spaces or line returns.

Using Your Own Objects

If you wish to use your own mesh or prim for the extender. Copy the scripts out of the extender into your inventory. Then put them into the item you wish to use. Settings are saved in the prim rather than the script.

Transparency and Phantom

The Covey Chat Extender is shipped with modify and copy permissions. If the ideal placement of the extender is in the way, make it phantom and set the texture transparent.