



RJ Cooper & Assoc.
1-800-RJCooper
Internet: www.rjcooper.com
Email: info@rjcooper.com

Auggie (H-58) & Super-Auggie (H-44)
Communication Devices

My Auggies are, basically, “just PC’s running Windows.” If you can run a PC, you can run my Auggies! You can load any Windows software on it. But remember, Windows is a ‘full’ operating system and takes longer to startup (1 min.) than an iPad takes to ‘wake up from sleep’ (which is what the iPad does when you press its power or Home button). If you do the same with my Auggies, it’s almost as instant! (See <Power> stuff below)

My Auggies include PTP-PC, my AAC software, and the PCS libraries, and a bunch of actual user Board sets. I also install trials of several other programs that might prove useful. Of special note is Point To Pictures (PTP), my Aug. Comm. *training* software. For those learners that do not ‘get’ the concept of selecting things on a computer/AAC device and receiving real-world consequences, PTP acts as training wheels for this important concept. The hope is that the learner will graduate to PTP-PC, or SDPro, or whatever AAC software for eventual *use* you put on the Auggie. There are desktop shortcuts for all installed software, which you can uninstall if you’re not using the programs (Start, Programs, <name of program>, Uninstall; trashing the desktop shortcut does not free up any drive space).

Another program I put on for trial is my OnScreen keyboard (with WordCompletion).

Hardware

Power

Turn on your Auggie by pressing or sliding, and holding the power button until the screen flashes. I have the unit set to Sleep after 5 min. of inactivity, so during actual use, just let it go to Sleep. Wake from Sleep with the power button. For overnight, do a Shut Down or Hibernate.

Tablet Speaker (cordless)

You might need to ‘pair’ your Bluetooth (BT) speaker to your Auggie at some time. Pairing usually only needs to be done once but you never know!

Important: After successful Pairing, always have your Speaker on before starting-up/waking up/resuming-from-hibernate the Auggie. The Speaker will activate after about 10 seconds of the system ‘coming back’ from one of

these states.

To Pair:

- 1) Turn your speaker off.
- 2) In the System Tray (where your time is), there is an 'up' arrowhead. Double-tap it to reveal 'hidden icons'. One of them is the Bluetooth icon (the only one that is all blue). Tap it and choose Show Bluetooth Devices.
- 3) If a speaker/headset is there, tap on the icon and then Remove Device near the top, and OK/Yes when it asks if you're sure. Be patient (about 30 seconds).
- 4) Tap on Add Device. Windows will start looking for one.
- 5) Turn on the Tablet Speaker and get into Pairing mode (consult the directions that came with your Speaker).
- 6) Wait about 15 seconds and a headset/speaker will appear and then change to *your* speaker.
- 7) Tap that icon and Windows will attempt to Connect and install some 'drivers'. Be patient!
- 8) If you if you want to enter a specific Code, select that option, tap in the text entry area and a small keyboard icon will appear. Tap it to get your on-screen keyboard and enter 0000 (four zero's) and Enter/Connect.
- 9) Wait at least 60 seconds (ignore all the text alerts or 'bubbles' and just wait!)
- 10) Repeat if unsuccessful.
- 11) Close all windows.

Important: After successful Pairing, always have your Speaker on before starting-up/waking up/resuming-from-hibernate the Auggie. The Speaker will activate after about 10 seconds of the system 'coming back' from one of these states.

* If you have your Speaker off or turn it off with the Auggie on, you might lose Pairing and your sound will come from the Auggie's internal speaker. If so, or you've 'lost' Pairing, turn on the Speaker, tap the up arrowhead in your System Tray to see Hidden Icons. Then double-tap the up arrowhead in your System Tray for the Tainell control panel, turn BT off, then on. That usually re-pairs them. Or you might have to repeat the above steps. Or you can try choosing the BT icon from the Hidden Icons, then <Show BT devices>, then double tap your speaker and choose Connect.

USB Adapter (Auggie only; Super-Auggie has 2 built-in USB ports)

Your Auggie came with a white adapter that fits into the slot under the Menu button. Make sure you plug it in so that the arrow faces the front of the Auggie. The connection is a bit more fragile than I would have liked so try to treat the connection carefully.

There are 3 USB ports on it which you can freely use for any USB device.

Remember, it's just a PC like your home or school computer!

Getting Images from Digital Camera

Take your pictures at your camera's lowest resolution possible, to save disk space.

Rather than use the cable that came with your computer, I *love* a 'card reader'. I sell them but you can also buy one from any electronics/office supply store. Your camera, most likely, uses an 'SD Card' to store pictures/video, in a sub-folder of the DCIM folder. You will remove the Card from your camera, put it into the card reader, and insert into the USB port of your Auggie (cancel the Windows prompt), resulting in a new 'Removable Disk' showing up in Computer. The pictures will then be *instantly* available to any program. (These days, even using the cable will accomplish the same as above)

Now you will be able to use the directions above, in the Cell Tab/Select Image paragraph (Cell Settings, Image/Select, Images/Browse, navigate to Removable Disk, DCIM folder, then the sub-folder with your pictures).
Cell.

from Edit Boards).

The **Highlight words as spoken** checkbox controls, upon speaking the Sentence Bar, if each word is highlighted. This feature is quite nice, but it does significantly slow down the TTS.

You can **Select** the **Font Size** of the Sentence Bar.

You can set the **WordCompletion layout**. This feature gives the User word choices upon their use of letter Boards.

The **Preview WordCompletions** allows the User to select and hear a WordCompletion choice without it going into the Sentence Bar.

The **(Load...)** set the maximum size of the grid for loading Saved Sentence Bars.

Program Preferences

There are 3 tabs.

The General Tab

This is where you see/set where the PCS libraries are (if installed). We default to look in My Documents\PTP-PC\Alpha for them, which is where our installer puts them. You might need to set this location yourself.

Also in here is the size of the **History log** you wish. This log keeps track of all User activations, primarily for generating a Board based upon frequency-of-use, in Boards/Actions/Generate.

The Power Tab

Sets the point at which you hear "Low battery."

The Password Tab

Remember that you exit the Boards during use, by pressing the Esc or **Enter** key on the tablet's on-screen keyboard whenever the program is waiting for User input. You will probably **not** want the user to be able to get to anything else on your PC. If **Require Password** is enabled, a password screen appears. If a correct password is not entered with 20 seconds, PTP-PC-4 goes back to the Boards. If a correct password is entered, you will be brought back to our main screen. **** The default Password is "RJ" (lower case works also (PTP, without the quotes, of course). ****

The File Mgr. Tab

Here is where you can manage/delete/rename/rotate files without going into Edit Boards. There is also a handy feature for deleting all unused files. Use the dropdown menu of Images/Sounds/Multimedia to select which folder you wish to manage.

Remember, the Program Preferences affect **all** Users.

CD/DVD Drive

If you ordered my Accessory Pack, then you received a 'slim' USB CD/DVD drive. For my Auggie, plug it into the included USB adapter. For the Super-Auggie, plug into one of the 2 USB ports on the tablet. My drive gets its power right from its cable. You may also use **any** USB drive of any type, CD, flash/jump, etc.

Switches

Since there are no built-in switch inputs on either unit, you have several choices for plugging switch(es) in:

- 1) My cordless Bluetooth Switch Interface or Super-Switch (see below)
- 2) Switch-Click – a 2.5" round button that plugs directly into a USB port.
- 3) Mini-SwitchPort – our small switch interface with 2 switch inputs (see website), and then use your own switches
- 4) SAM-Cordless – my wireless Switch-Adapted Mouse, with a receiver (3"x1") that plugs into one of the Auggie's/Super-Auggie's USB ports. Your switch plugs into the transmitter.

For all of the above, except #1, if your desired "switch" program is 'looking' for something other than a mouseclick as "the switch," you use our SwitchHopper software (on our CD) to configure the switch inputs. All of *my* software simply looks for a mouseclick as "the switch." 2-4 of the above default to mouseclick as the primary switch action.

My Bluetooth Switch Interface/Super-Switch (BT Switch)

Just like the speaker above, you will need to Pair the BT Switch to your Auggie.

Important: After successful Pairing, always have your BT Switch on before starting-up/waking up/resuming-from-hibernate the Auggie. If you have the BT Switch off or turn it off with the Auggie on, you might lose Pairing and the BT Switch won't work.

To Pair:

- 1) Have your BT Switch OFF.
- 2) In the System Tray (where your time is) tap the up arrow for Hidden Icons. Then the Bluetooth icon (the only one that is blue), and choose Show Bluetooth Devices.
- 3) If <Airturn> is there, try turning on your BT Switch, double tapping the <Airturn> icon, and select Connect in the new window.
- 4) If that doesn't work, close that window to get back to step #2, and select <Airturn, and select Remove Device above, and wait.
- 4) Tap on Add Device. Windows will start looking for one.
- 5) Turn on the BT Switch. Press/hold the red power button on the BT Switch for about 10 seconds until the light flashes red/green (pairing mode).
- 6) Wait about 15 seconds and "Airturn" will appear on the screen.
- 7) Tap it and Windows will attempt to Connect and install some 'drivers'. Be patient.

9) Close all windows.

Important: After successful Pairing, always have your BT Switch on before starting-up/waking up/resuming-from-hibernate the Auggie. If you have the BT Switch off or turn it off with the Auggie on, you might lose Pairing and the BT Switch won't work.

Right-Clicking on a Tablet

All tablets allow you to right-click, to get a 'context' menu, with great things like Copy/Paste/Rename by pressing and holding your finger until a circle appears.

Screen Rotation

You can choose whether you want to allow Windows to rotate your screen when you rotate the tablet.

- 1) Tap the up arrow in the System Tray to get to the Hidden Icons.
- 2) Choose the up arrow for the Tainell control panel.
- 3) The last setting, G-Sensor, when On, allows rotation.

Important: Screen Rotation is handled by Windows and it does a barely acceptable job of it, definitely not as good as an iPad. Windows' Rotation is not instant and has trouble 'keeping' up with your tablet rotation. That is, you must rotate 90 degrees at a time for Windows to keep track of your rotation. If you go from one Landscape orientation to the other, Windows will be unaware of the change. If you go too fast between 90 degree rotations, Windows will actually remember your 'in-betweens' and do *all* the Rotations.

Settings

I have set up your Auggie with settings that I have found to be desirable. You can change these settings to fit your needs. Remember, it's just a PC, like your desktop/laptop, and you should treat it no differently.

Power Settings

With all Portable/Laptops, it's very important to have an understanding of your Power control panel.

- 1) Note the Power (or charging) indicator down near your time in the Taskbar Without the charger the power icon will show a battery icon that is 'filled' with approx. how much power is left. With the charger attached, a power plug is superimposed over it.
- 2) Tapping that icon gives you access to the 2 basic Power Schemes, Balanced and Power Saver (the latter has *my* settings), and gives you access to More Power Options.
- 4) Over in Power Options, you can tap <Change plan settings> for <Power saver>. You can change them to your liking. Your main choices are along the left. I have them set, when On Battery, for Never dimming the display, turning off the display after 3 minutes (of inactivity), putting the unit to Sleep after 5 minutes, and medium brightness of the display.
- 5) Remember to tap Save Changes if you make any!

Direct Selection means the User will simply touch their desired Cell.

For both types of Scanning, we look for **left-mouseclick as the selector**, For Step-Scanning, we look for the **right-mouseclick for Stepping**.

Auto-Scanning means that the program will scan/highlight Rows/Cells, at the rate you specify, until the User taps the screen anywhere (or clicks a switch set to the mouseclick), to select the displayed Row/Cell. This method 'looks' for a mouseclick or <~1> for selecting.

Step-Scanning means that a switch plugged into an interface so as to 'send' the right-click will **Step** through the Rows/Cells, and a second switch set up to send the regular left-click will **Select** a Row/Cell. All of our interfaces works this way. This method 'looks' for a right-mouseclick or <~3> for 'stepping', and a mouseclick or <~1> for selecting.

The **Row, then Column order** checkbox has the program scan/highlight rows first, then upon User selection of a row, scan/highlight each Cell in that row. If this option is selected, then the next checkbox will be **Sound**, with its choices of what sound will be played/spoken for each row. This is a very nice feature for visually impaired people with limited motor ability. **Speak row #** uses my voice saying "Row 1, row #2," etc. **Play/speak first cell in row** does just that for each row. **Row scan announcement** will play the sound you record when you tap & hold (or right-click) a Cell in Edit/View Board.

At the end of scan, if User has not selected tells the program what to do at this point.

If **Auto-Scanning** is selected, then **Speed** should be set appropriately

For **Step-Scanning**, you can set the **Timeout after (n) seconds**, which terminates the scan at that point.

Scan Border sets the highlight color to indicate current selection.

And finally on this screen is the **Scan Sentence Bar** checkbox, which enables the User to include the Sentence Bar in the scan. Selection of the the Sentence Bar will speak it.

The TTS (Text-To-Speech) Tab

This tab lets you set the voice, speed, and pitch of the included, high-quality, **SAPI voices** for Cells that you choose to use the built-in computer voice.

The Overrides Tab

There are 2 checkboxes here that will override all Cell/Consequence settings for this User. This is a quick way to set Consequences actions.

The Sentence Bar Tab

A drop-down list lets you choose how many lines you want for the Sentence Bar (you set whether there **is** a Sentence Bar on a Board, in Board Settings,

The Label and Consequence tabs

The **Label** Sound tab lets you set, or record, the sound played upon Cell selection by the User. It can be either a recorded file, or TTS, which you can select (and listen to) on this tab.

The **Consequence** tab lets you set **Show Full-screen For** (which controls how long the selected pic, once/if it goes full-screen, stays on the screen; **Screen Tapped** waits for the User to tap the screen, whereas **Do not show** doesn't play the Consequence sound or show the image full-screen at all), set whether the **Consequence** sound is played at all, and then set, or record, this Consequence sound played (after the Label sound is played). You can *globally* choose the first 2 settings for Consequence, through **<Username> Settings**, then **Overrides**. This is where you can select MP3's and/or digital video as Consequences!

The Test Tab

This shows your Cell as it will appear on your Board, and let you play its associated sounds.

<UserName> Settings

There are 5 tabs.

The General Tab

Select the startup board for <UserName>. This is the Board that Launch Boards will launch.

The **Ready** sound plays whenever a new Board is ready for user selection. When a Cell is selected, the **Selected** sound plays. You can record your own sounds, or even record the User's name for the Ready sound.

Cell Taps sets what type of touching is required for Cell selection. **Tap and release** means the User must tap and then release on the same Cell. **Tap and Hold** allows a User to stay on their desired Cell for a period of time, for selecting. **Tap only** selects a Cell immediately upon touching it.

If **Tap and Release** is selected for **Cell Taps**, then **Tap & Hold for QuickBoards** lets an advanced User jump to any of their Boards, from any Board, simply by tapping and holding for about 2-3 seconds. The User can cancel this action by tapping anywhere else on the screen; no other Cell will get selected.

Extra Visual Feedback does some extra flashing of the Cell upon selection.

Cell Preview lets the User hear a Cell's Label sound without actually activating that Cell.

Allow interrupting sound playing lets the User interrupt sounds prematurely.

The Scanning Tab

The **Scan Method** controls how the User will interact with his/her Boards.

Single Tap to Open Things

Like an iPad, I have the Auggie set so a simple tap will launch desktop shortcuts and open folder items. You can change that by Start menu, Control Panel, Folder Options, and select <Double-click to open an item>.

Accessing the on-screen keyboard

Tablets have their own on-screen keyboard as well as the Accessibility on-screen keyboard. The tablet keyboard is easier to access because it is **always** accessible, anywhere, anytime.

Simply tap the upper left edge of the screen and you will either see your keyboard or its right edge (which you tap again to display the keyboard). Tapping characters on the keyboard will 'type' into the current program, setting, or field.

Point To Pictures (PTP) - PC

The best way to learn this program is simply to do everything as you read it. So just take 30 minutes (Yes, that's all!) and as you read down the pages, perform each step.)

PTP-PC Main Screen

You may have multiple **Users** (each with multiple **Boards**).

The "**Auto-launch Main Board for**" checkbox will do just that, when PTP-PC is launched.

Tapping **Launch <User>'s Main Board** does just that. **** Super-Auggie:** Depress the scroll key (upper top-right corner); **Auggie:** Depress the Enter (second button from right along front-bottom) to exit the User/Boards area. ******

Important: To exit the Boards area you will need to bring up the tablet's on-screen keyboard. Tap the upper right edge of the screen to show the right edge of the keyboard, then tap again. You might need to move the leather case a bit to get it. Then press **Esc** or **Enter** (see <The Password Tab> near end of instructions).

Edit Boards (see below)

Each User can have their own **<User> Settings** (see below).

Program Preferences affect all Users (see below)

The **Actions** popup menu on the bottom left gives access to several functions:

New User, Delete User are self-explanatory.

Export User/Boards saves any Board or User you specify as one file, good for sharing with others (emailing or posting at a website). This file contains the specified Boards, Images, Sounds, and Settings. After Export, you can access the file by navigating to the Desktop shortcut/icon for our <PTP-PC\Import-Export> folder.

Import User/Boards reads a previously exported file from our <PTP-PC\Import-Export> folder (Desktop shortcut/icon), and divides it into usable components.

Register allows you to enter a Registration Code for permanent use.

Manage IR Library appears when you have the USB-to-IR adapter plugged in before the program starts. This is for teaching PTP-PC about your specific remotes. See appendix A for more info.

In the menu bar, **About RJ Cooper** yields the **version #**. The **Instructions** you are reading now are also in the menu bar.

Edit Boards

The **Boards** screen shows all Boards for this User. Select **New** to create a new one or select a Board and then **Edit**. The **Actions** menu includes **Rename**, **Copy** (which is great for creating a 'template' for other boards, especially where you want some of the same Cells on many Boards), **Copy from another User** (which copies Board(s) from a common Boards folder or another User, to the current User's folder), **Delete**, and **Generate** (which allows you to Generate a Board based upon the most frequently used Cells; you can choose the Layout for this Board).

The **Board Settings** screen lets you name (or rename) a Board, set the **Layout** (which will change slightly with the **Orientation** set in Program Preferences), set the **Sentence Bar** option, set the **Board Color**, set whether the Board is a **Pop-Up** (which means that upon Cell selection by the User, he/she will be returned to the previous Board), see a list of the Board's Cells, **Edit** or **Clear** a selected Cell, and **Edit/View Board**.

The <**Board name**> **Board** screen displays your Orientation correctly (as set in Program Preferences), and your current **Images** and/or **Display Text** for each Cell. The little arrow in the lower right indicates that Cell is set to **Branch To** another Board. Simply click on a Cell for its Settings. Or you can right-click on a Cell for: 1) Select **Swap Cells**, and follow prompts at bottom of screen; 2) **Duplicate Cell** and follow prompts at bottom of screen (you can make 'super' sized Cells with this feature! Any adjacent Cells that are identical will be made into a super-sized Cell upon Launch Boards); 3) **Row Scan Announcement**, to record an announcement to play when a row is scanned/highlighted if you have the **Row, then Column Order** checkbox selected in the **Scanning** Tab of <**UserName**> **Settings**); 4) **Clear Cell**. You tap the button at bottom to exit this screen.

The **Cell Settings** screen has 4 tabs.

The Cell Tab

This tab shows you the **Transparent White** checkbox (removes white backgrounds of PCS images), the current Image's filename (and its **Select** button), the **Branch or Function** selection (and its **Select** button), the **Display**

Text checkbox, field, and **In white box** checkbox (which relate to having a caption along with the image, in the Cell), the **Add** to Sentence Bar choices, and the **Cell Colors** selectors.

Tapping the **Select** button for Image will display the **Select Image** screen. This shows a list of all pictures in our Images folder (My Documents\PTP-PC\Images). Tap one to select it. You can select (None) for no image (**Display Text** only) in the Cell. The Images drop-down menu in upper right lets you change the folder you're looking at (with the PCS images installed, you will see **Find** and an alphabetical list of folders there). You also have (**Actions**) menu, which lets you **Rename**, **Delete**, or even **Rotate** a file. **Rotate** is especially useful for when you are bringing in digital images (.jpg) that you wish to occupy the full-screen upon selection (See end of these instructions for more on digital pics). The **Find** screen searches the the PCS libraries completely, bringing back a list of all filenames that contain the text you specify. For example, Red will yield Red.jpg but also Bored.jpg, as "Bored" has "red" within it.

Back at the **Cell Settings** screen, tapping **Select** for **Branch or Function** shows you all the special functions that a Cell can perform. Selecting **Branch To Board** lets you **Select** from a list of all Boards for this User (and whether selection of that Branch To will clear the Sentence Bar). Some standard Boards that can be Branched To are listed in the Function list: (**Startup Board**), (**Last Board**), and even (**Exit Board**) (which brings you back to our editing area; obviously not intended for a User). A Cell that has a **Branch To** will be denoted by a small arrow in its lower right (the User does *not* have to tap the arrow!).

Other functions in this dialog box are self-explanatory, except for maybe Save and Load Sentence Bar. PTP-PC has the ability to save the Sentence Bar for future retrieval. This would be useful for someone making a speech, using the software, or 'speaking' something that they have spent time creating. ((**Save Sentence Bar**) saves the contents of the Sentence Bar in a folder (My Documents\PTP-PC\Boards\Load Sentence Bar) generates new Board, on-the-fly, with all saved files available to the User. This Board's layout is sized by the number of files available, up to the maximum layout set in the Sentence Bar tab of Settings.

IR Beam is the last Function in the list and lets you assign Infrared commands to control devices (CD, DVD, TV, cable, and even X-10 appliance modules) from Cells. See Appendix B.

Back at the **Cell Settings** screen, If you have **Display Text** enabled, that text will be displayed at the top of the Cell, and at the top of the full-screen image. You can select (**None**) as your image for a Cell, and if you have Display Text enabled, your text will be displayed in the center of the Cell and center of full-screen display. If this field is empty when you select an Image, the Text will default to the Image's filename, which you can then change.