

Drill-Writing Tips and Tricks Using Pyware 3D

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Pyware 3D is one of the most popular drill-writing software programs on the market today. Using the features of the software efficiently, Pyware 3D can help you create drill that is both readable and explainable.

General Pyware Usage Tips:

- Add counts to drill before you start writing. Add pages as you go along.
- Using Subsets for holds.
- It's not necessary to start at the beginning! Start at an early impact moment and write backwards.
- Place text boxes on each page for instructions, counts, moves & holds, special notes, and especially measure numbers.
- Fonts and Dots? Letters?
 - Utilizing the Pyware Dot Symbols.
 - Adjusting the distance from letters to numbers, and using the contour tool.
- Separate files for each song? Taking the last page and making it the first set of the next song.

Set Writing Tips:

- Switching two members: Rotate 180 degrees, then use Morph tool to fix paths.
 - Or from the Menu, **Edit** -> **Swap Two Positions**, to make changes over multiple pages.
- Drumline Spacing:
 - <alt>-click on the Interval box to add multiple spacings.
 - Using **Morph** and **Lock intervals** to maintain spacing set-to-set.
- Using **Morph** to fix any animation resetting/jumping.
- Using grouping patterns to group every other, or every third, fourth, member of a line:
 - From the **Knife/Glue** tool, select **Apply Pattern** -> AA, AABB, etc.
- Rematch members from set to set, rather than redrawing the set:
 - **Copy** the new form, then **delete** the transition.
 - **Paste** the new form, select the option to use **different matching order**, then press **clear** to start rematching members
- Combining tools: Resize and rotate vs. Rotate & resize to produce curved paths.

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Printing Charts:

- Using the **Zoom Chart** feature.
- If the blue lines won't print on your printer:
 - From the **Utilities** menu, select **Grid Designer**.
 - In the grid designer, press **Load** and select a photocopy grayscale grid.
 - Press **OK** to change your drill grid. You can always change back after printing.
- Printing charts to a .pdf file:
 - Mac – has the ability to print to a .pdf.
 - Windows – download a free .pdf printing utility such as those at:
www.primoPDF.com or **www.cutePDF.com**

These utilities will allow you to generate a .pdf file as easily as selecting another printer from your printer list.

Recording Animations:

- **Wink** – Can create Flash versions: **www.debugmode.com/wink/**
- Use **Hypercam** to record screen animation directly to an .avi file: **www.hyperionics.com/hc/**
- If needed, use **VirtualDub** to sync audio/video: **www.virtualdub.com**
 - Open the recorded .avi file
 - Select **Video** -> **Frame Rate** -> "Change so video and audio durations match"
 - Select **Video** -> **Compression...** -> **Microsoft Video 1**
Quality @80%, key frames every 100
 - Select **File** -> **Save As AVI**
- Upload to a video-sharing site such as **YouTube.com** or **Vimeo.com**

For more information, tutorials, user forums, and free demo software, visit **www.pyware.com/3D**

Additional Notes:
