

3-1-2. XML file elements and their functions

Use an XML file to describe the various print settings required to create an ARX4 file.

For information on how to specify an XML file on a command line, see "3-1-1. Arguments and creation methods for their functions >>P.6 ". You can specify an XML file with the -X argument.

For more information on setup items, see the description of printer driver settings in the Instruction Manual.

<Tips>

- If you omit an element, a value of "0" is assumed.
- For examples of creating an XML file, see "3-1-5. Usage example of an XML file creation (when you print on a white T-shirt, for example) >>P.15" or "3-1-6. Usage example of an XML file creation (when you print on a black T-shirt, for example) >>P.17".

Condition	Setup item	Element	Value	Description
Valid without conditions	Definition statement	<GTOPTION>	—	Under this element, specify the elements and values for printing preferences.
	Specify the output file	<szFileName>	Arbitrary	Specify the file name under which to save ARX4 data. <Tips> <ul style="list-style-type: none"> • Normally, leave a blank line under <szFileName> and use the -A argument to specify the file name.
	Number of printed sheets	<uiCopies>	1 to 999	Specify the number of copies to print. The valid range is from 1 to 999.
	Machine mode	<byMachineMode>	0: GTX-422	Specify the machine mode.
	Platen size	<byPlatenSize>	0: [16x21] 1: [16x18] 2: [14x16] 3: [10x12] 4: [7x8]	Specify the platen size for the printing range.
	Ink combination	<byInk>	0: [Color Ink Only] 1: [White Ink Only] 2: [Color+White Ink] 3: [Black Ink Only]	Specify your desired ink combination.
	Resolution	<byResolution>	1: [1200dpi x 1200dpi]	Specify the printing resolution.
	[Saturation:]	<bySaturation>	0 to 40	Specify the [Saturation:] value within the range of 0 to 40.
	[Brightness:]	<byBrightness>	0 to 40	Specify the [Brightness:] value within the range of 0 to 40.
	[Contrast:]	<byContrast>	0 to 40	Specify the [Contrast:] value within the range of 0 to 40.
	[Uni-Directional Printing]	<bUniPrint>	true, false	Specify the setting of [Uni-Directional Printing]. Specify true to enforce uni-directional printing.

Condition	Setup item	Element	Value	Description
Valid only when [Color Ink Only] is specified for [Ink Combination]	[Color Ink Volume:]	<byInkVolume>	1 to 10	Specify the [Color Ink Volume:] value within the range of 1 to 10.
	[Double Printing:]	<byDoublePrint>	0 to 3	Specify the [Double Printing:] value within the range of 1 to 10. When set to 0, printing is done once. When set to 1-3, printing is divided into two passes. Printing twice is expected to improve the black level without increasing ink consumption. The larger the set value, the longer the interval from the start of the first printing to the start of the second printing, and the larger the expected black level improvement.
Valid only when [Color+White Ink] is specified for [Ink Combination]	[Mode:]	<bEcoMode>	true: [Eco-Mode] false: [Normal]	Specify the setting of [Mode]. Adjust the amount of the base layer white ink automatically to reduce ink consumption overall. However, the level of brightness of the end result may be decreased slightly depending on the color.
	[Use background black color]	<bMaterialBlack>	true, false	Specify the setting of [Use background black color]. If you set this element to true, print using the blackness of the base material. This feature is useful when, for example, you print on a black T-shirt.
	[Minimum Whiteness:]	<byMinWhite>	1 to 6	Specify the [Minimum Whiteness:] value within the range of 1 to 6. When printing with color and white ink, you can change the amount of the white ink volume used as the base in a dark area.
	[Choke Width:]	<byChoke>	0 to 10	Specify the value of [Choke Width:] within the range of 0 to 10. When you increase this value, the choke width for the white ink printing range increases. This feature is useful to avoid white ink showing from the colored area.
	[White/Color Pause]	<bPause>	true, false	Specify the setting of [White/Color Pause]. If you set this element to true, the printer pauses between the white and color layers. This feature is useful when you print a tiny image.

Condition	Setup item	Element	Value	Description
Valid only when [White Ink Only] or [Color+White Ink] is specified for [Ink Combination]	[Highlight:]	<byHighlight>	1 to 9	Specify the [Highlight:] value within the range of 1 to 9. (When 2 Layer White function is enabled: 1 to 13) You can set the whiteness (thickness) of areas with an RGB value interpreted as "white".
	[Mask:]	<byMask>	1 to 5	Specify the [Mask:] value within the range of 1 to 5. You can set the amount of the white ink volume used as the base for color ink.
	[Transparent Color:]	<bTransColor>	true, false	Specify the usage of [Transparent Color:]. If you set this element to true, all colors excluding RGB=(255,255,255) are configured as "transparent color". To specify a particular RGB value interpreted as "transparent color", use <colorTrans>.
	[2 Layer White:]	<bDivide>	true, false	Specify the setting of [2 Layer White:].
Valid only when [Color Ink Only] or [Color+White Ink] is specified for [Ink Combination]	[Color Multiple Pass Printing]	<bMultiple>	true, false	Specify the setting of [Color Multiple Pass Printing]. If you set this element to true, [Color Multiple Pass Printing] is performed.
	[Color Balance:] [Cyan]	<iCyanBalance>	-5 to 5	Specify the [Color Balance:] [Cyan] value within the range of -5 to 5. Increasing the value makes the color closer to light blue while decreasing the value makes the color closer to red. <Tips> <ul style="list-style-type: none"> You can omit this item. If omitted, the setting defaults to 0.
	[Color Balance:] [Magenta]	<iMagentaBalance>	-5 to 5	Specify the [Color Balance:] [Magenta] value within the range of -5 to 5. Increasing the value makes the color closer to reddish violet while decreasing the value makes the color closer to green. <Tips> <ul style="list-style-type: none"> You can omit this item. If omitted, the setting defaults to 0.
	[Color Balance:] [Yellow]	<iYellowBalance>	-5 to 5	Specify the [Color Balance:] [Yellow] value within the range of -5 to 5. Increasing the value makes the color closer to yellow while decreasing the value makes the color closer to blue. <Tips> <ul style="list-style-type: none"> You can omit this item. If omitted, the setting defaults to 0.

Condition	Setup item	Element	Value	Description
	[Color Balance:] [Black]	<iBlackBalance>	-5 to 5	Specify the [Color Balance:] [Black] value within the range of -5 to 5. Increasing the value makes the color closer to black while decreasing the value makes the color closer to white. <Tips> <ul style="list-style-type: none"> You can omit this item. If omitted, the setting defaults to 0.
Valid only when true is specified for [Transparent Color]	Specify the color interpreted as "transparent color"	<colorTrans>	Numeric value	Specify the decimal RGB value of the color you want interpreted as "transparent color". A hexadecimal RGB=(161,77,215) is equivalent to a hexadecimal RGB=(a1,4d,d7). This hexadecimal value becomes "d74da1" when reordered in the order of B, G, and R and it becomes "14110113" when converted to a decimal number. To specify the RGB value of 14110113, enter as follows: "<colorTrans>14110113</colorTrans>".
	[Tolerance:]	<byTolerance>	0 to 50	Specify the [Tolerance:] value within the range of 0 to 50. You can specify the gradation range (RGB values) to smoothly connect the zone between "Unprinted color" and "Printed color" to be gradually changed in tone.
Valid only when true is specified for [2 Layer White]	[Interval (sec.) (White / White):]	<byDivideSpan>	0 to 60	Specify the [Interval (sec.) (White / White)] value within the range of 0 to 60.
Valid only when true is specified for [White/Color Pause]	[Interval (sec.) (White / Color):]	<byPauseSpan>	0 to 60	Specify the [Interval (sec.) (White / Color)] value within the range of 0 to 60.