

About Type of Device Profile

Software

July 8, 2021

This page is the explanation of the device profiles used by RasterLink series.

Device profile is provided by the combination of printer, ink set, material such as media, and printing conditions such as resolution and pass numbers.

Generic Profile

Profile with "Generic"

The profiles for general purpose.

Please use these profiles when manufacture or Media name are not specified.

ex.) Generic PVC Gloss

Target Printers: UCJV300/150 series

Target Inks: LUS-170, LUS-175

Version of Device Profile

There are two versions of device profiles for RasterLink series.

v2 Profile

Profile extension is [cot].

Annotated "v2" in the media name.

The v2 profile can be used by RasterLink5 or earlier RIP software.

Profile creation software: MimakiProfileMasterII

v3 Profile

Profile extension is [icc].

Annotated "v3" in media name.

v3 profiles are basically(*1) used by RasterLink6 or later RIP software.

*1 There are also some profiles that can be used by RasterLink5 depending on the versions. Please refer to the description of v3.x below.

[v3 - v3.4] Profile creation software: MimakiProfileMasterII

[v3.5] Profile creation software: MimakiProfileMaster3

About Media Name Types of v3 Profile

For v3 Profile, different types of device profiles are available depending on the concept differences and versions.

The types are divided by the symbol at the end of media name.

v3.x Profile

There are several versions of "v3.x" profiles.

The versions are appended with "v3.x" at the end of media name.

The profiles which appended nothing at the end of media names are "v3.3" or later.

RasterLink5 just can support "v3" "v3.1" profiles, not include "v3.2" or later.

All the "v3" profiles can be used by RasterLink6 or later.

v3 - v3.4 Profile

Recommend setting "Color Matching" to "Default" in RasterLink when use v3 - v3.4 Profiles (Figure 1)

v3.5 Profile

Recommend setting "Color Matching" to "Mimaki_Expand_Color" in RasterLink when use v3.5 profiles or later (Figure2)

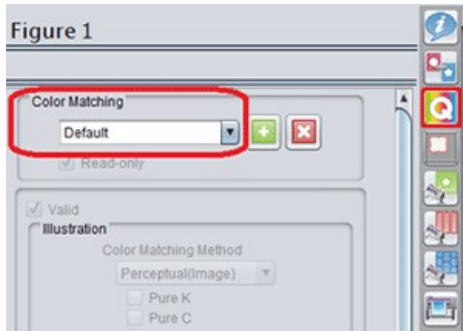


Figure 1: Default

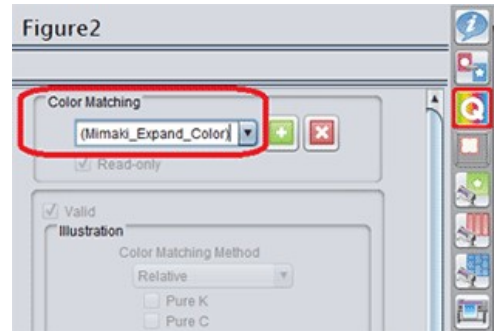


Figure 2: Mimaki_Expand_Color

Profile Version with "_D"

The profiles are designed to raise the overall density based on the concept of emphasizing density.
ex.) GPVC[441]_D v3

Target Printers: JV33 series, JV5 series, JV300/150 series, CJV300/150 series

Target Inks: SS21, HS, Sublimation53, Sublimation54

RIP Supporte Versions: RL5 Verxxx or later

Profile Version with "_S"

The profiles are designed to reduce the density based on the concept of ink consumption reduction.
ex.) Mimaki GPVC[SPC706] -S

Target Printers: JV300/150 series, CJV300/150 series

Target Inks: SS21

RIP Supporte Versions: RL6 or later

Profile Version with "Quality"

The profiles are designed to fill the dots in gaps to reduce graininess based on the concept of image quality improvement.
Recommend selecting "Default" mode in "Color Matching" of RasterLink.
ex.) Mimaki GPVC[SPC706] Quality

Target Printers: JV300/150 series, CJV300/150 series, JFX500-2131

Target Inks: SS21, Sublimation54, BS3, LH-100

Profile Version with "sp"

The profiles are designed to fill the dots in gaps to reduce graininess based on the concept of image quality improvement.
Recommend selecting "Mimaki_Expand_Color" mode in "Color Matching" of RasterLink.
Use more Small dots and realize a smooth expression in photographic images.
ex.) Mimaki GPVC[SPC706] v3.5sp

Target Printers: JV300/150 series, CJV300/150 series

Target Inks: SS21

RIP Supporte Versions: Ver4.11 or later

Profile Version with "br"

The profiles are designed based on the concept of banding reduction.
Use more Large dots to reduce banding (Bi direction banding, streak banding etc.)
The profiles are suitbal for the data with many solid images.
ex.) Mimaki GPVC[SPC706] v3.5br

Target Printers: JV300/150 series, CJV300/150 series

Target Inks: SS21

RIP Supporte Versions: Ver4.11 or later

Profile Version with "nr"

The Profiles are designed to reduce noise such as black spots.

ex.) Generic Transfer Paper_nr

Target Printers: TS100, TS55, TS300P

Target Inks: Sublimation610, Sublimation410

Profile Version with "White", "ConW", "WonC"

The Profiles for using white ink.

Printing methods change according to the following notation.

(White on Color), (WonC)

The optimized profile for printing in order from Color to White.

ex.) SABIC LEXAN8010Film(White on Color)

ex.) Mimaki BckTLX[MSL140](WonC)

(Color on White), (ConW)

The optimized profile for printing in order from White to Color.

ex.) SABIC LEXAN8010Film(Color on White)

ex.) Mimaki BckTLX[MSL140](ConW)

(withWhite)

The optimized profile for using white ink environment irrespective of printing order.

ex.) Mitsubishi AcryliteEX001(withWhite)

Target Printers: JV33 series, JV5 series, JV300/150 series, CJV300/150 series, UCJV300/150 series, UJF-3042MkII, UJF-6042MkII, JFX200-2531, UJF-7151plus, JFX200-2513, UJF-3042HG, UJF-3042FX, UJF-6042

Target Inks: SS21, LH-100, LUS-120, LUS-170, LUS-175, LUS-150, LUS-350

Profile Version with "LD" (In front of media name)

The optimized profile for the environment when using LD mode*.

There are two modes depending on the size of dots.

ex.) LD1 UV-PET v3.5

Target Printers: UJF-3042MkII, UJF-6042MkII, UJF-7151plus

Target Inks: LH-100, LUS-120

RIP Supporte Versions: RL6 Ver5.8 or later

* About the explanation of LD mode, please refer to the instruction manual.

Profile Version with "G"

The profiles with gray balance adjustment.

The profiles are optimized for "Gray Balance" mode in "Color Matching" of RasterLink.

There are several versions for "G" profiles.

v3G

The profiles which are adjusted to optimize "Gray Balance" mode in "Color Matching" of RasterLink.

ex.) JC4k-Tropical v3G

v3G-1

The profiles which are adjusted blueness lower than "v3G".

ex.) JC4k-Tropical v3G-1

v3GDK

The optimized profiles for using DeepBlack ink.

ex.) JC4k-Tropical v3GDK

v3GBL

The optimized profiles for using Bule ink and LightBule ink (Ver.2).

ex.) JC2K-Tropical v3GBL

v3GBB

The optimized profiles for using BrilliantBlue ink.

ex.) JC4k-Tropical v3GBB

v3GBB-1

The profiles which are adjusted blueness lower than "v3GBB".

ex.) JC4k-Tropical v3GBB-1

v3GKT

The profiles for using transfer paper specific Black ink.

ex.) JC4k-Tropical v3GKT

Target Printers: JV33 series, JV5 series, JV34-260, TS34-1800A, TS5-1600AMF, JV300/150 series, CJV300/150 series, TS500-1800

Target Inks: Sublimation52, Sublimation53, Sublimation60, Sublimation300, Sublimation310

Profile Version with "DK"

The optimized profiles for the environment of using DeepBlack ink.

ex.) Coldenhove Jetcol HTR3000 DK

Target Printers: JV33 series, JV5 series, JV34-260, TS34-1800A, JV300/150 series, CJV300/150 series

Target Inks: Sublimation53