

PRODUCT & TECHNICAL SUPPORT BULLETIN



B u s i n e s s P r o d u c t s G r o u p



DATE: 01/25/02
TO: All Minolta Digital Copier Dealers
FROM: Service Support
SUBJECT: AVAILABILITY OF TANDEM COPY CAPABILITY FOR THE Di650
REF. NO.: 3482
Di650: 002

NOTE:

*Please reference Minolta service bulletin number **3481** for information regarding the Flash ROM upgrades that have been made to the Di650. Assure that the proper firmware has been installed prior to attempting to enable this feature.*

The following information is being provided to help with the installation and configuration of the newly supported Tandem copy feature for the Di650. Tandem mode enables your Di650 primary (master) copier to work in tandem with a secondary Di650 (sub) copier connected using a crossover cable, for the purpose of providing faster completion of jobs. With two units working in tandem a job can be completed in half the time of non-tandem mode.

MINIMUM REQUIREMENTS FOR TANDEM MODE

- One 100 Base -TX, Category 5, shielded twisted pair (**STP**), crossover cable. The maximum supported length of this cable is 30.5 meters (approximately 100 feet).
- The two Di650 copiers should have the same configuration including the memory and the hard drive. The optional cassette (C-403/C404) is not necessary on both machines.
- Both Di650 copiers must have compliant firmware. See bulletin reference number **3481** for additional information. The following firmware should be installed.
- Printer Control Flash ROM version 18
- Image Control Flash ROM version 20
- The Master and the Sub machines should have the same settings of the memory switches in the Key operator mode, and the Software DIP-Switch in the 25 mode.
- The copier with the "**Tandem**" key highlighted on the Finisher Mode Selection Screen will be the primary (master) copier, turning both copiers into the tandem mode. Select the copying conditions, scan originals, and press the "**Start**" key on the primary copier to operate both copiers in tandem to complete a job. Print quantity must be set for three or more copies to activate tandem mode. When the print quantity entered is for an odd number, the primary copier will output one sheet/set more than the secondary copier to complete the job.
- Auto low power/Auto shut-off may function while tandem mode is selected.
 - The tandem mode will not be selected when the secondary copier is turned off by Auto shut-off. Release the Auto shut-off by pressing "**Energy Saver On/Off**" key.
 - If Auto low power is activated on the secondary copier during the tandem job setting, the energy saver mode will be canceled automatically when the print job starts.

- If Auto shut-off is activated on the secondary copier during the tandem job setting, the tandem mode will be canceled automatically.
- If Auto low power/Auto shut-off is activated on the primary copier, the tandem mode will be canceled automatically.
- Panel reset may function while tandem mode is selected. Initially, the tandem mode will be canceled automatically if panel reset is activated on the primary copier.
- The Key operator can set the primary copier to select tandem mode as the initial setting. Apply this Setting to the primary copier only, if desired. Setting the tandem mode as the initial setting on both copiers will deactivate the tandem mode.
- The Di650 is provided with an Allocation recovery mode which functions when trouble occurs in either the primary or secondary copier to allow the trouble-free copier to complete the job.
- A copier with ECM setting activated cannot be used for tandem copying. Disable the ECM setting of both copiers to use the tandem mode.
- Interrupt copying is available only on the copier with the "**Interrupt**" key pressed. If the primary copier is installed with the Hard Drive option, the image data stored on the Hard Drive can be output in tandem mode copying.
- Corresponding tray sizes on the primary and secondary copier should be the same when using multiple trays for a single job.
- Incompatible Basic Copying Conditions: Group, Rotation, and Alternate Exit.
- Incompatible Original Scanning Conditions: None
- Incompatible Applications: Transparency Interleave, Set Numbering and Watermark Numbering in Stamp/Overlay.

NOTE:

Please confirm in the 25 mode that dip SW 20 bit 7 and dip SW 22 bit 0 are both set to on.

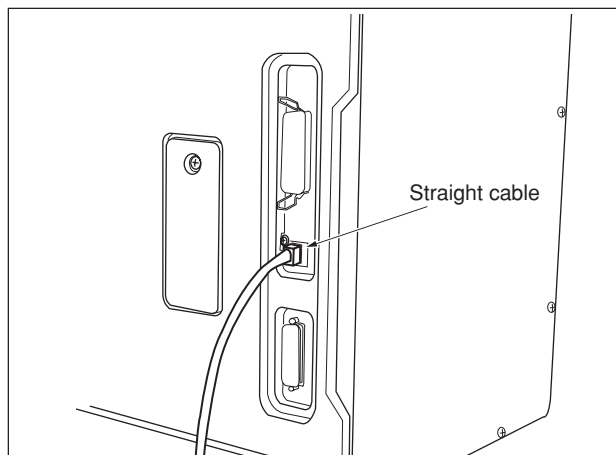
Tandem Mode Installation Procedure

Caution:

- The Master (primary) and Sub (secondary) machines must have main body ROMs of the same version number.
 - The Master and Sub machines must have the same optional machine configuration, excluding the LCT.
The optional machines must have ROMs of the same version number.
 - The Master and Sub machines must have the same settings of the memory switches made in Key Operator mode, and of the Software DIP switches made in 25 mode.
 - The Master and Sub machines must have the same EKC password registered when EKC is used.
1. Set the main power switch of the main body to its OFF position.
 2. Remove the cover sticker on the right of the rear side of the main body, then connect the straight twisted-pair category 5 (100BASE-TX) cable to the main body.
Connect the straight cable from the main body to the hub.

Caution:

You may use a cross cable to connect units directly.



3. Set the main power switch to its ON position.
Set the power switch to its ON position while holding the 2 and 5 keys of the numeric keypad pressed.
4. Touch to select "1. Software SW setting" on the 25 Mode Menu screen.
5. Touch the screen keypad ([2], [0], right input key, and [7] in order) to specify "20-7", then touch "ON (1)". (TANDEM connection recognition)
6. Set the power switch to its OFF position.
7. Set the power switch back to its ON position while holding the HELP button on the control panel pressed.
8. Touch to select "1. System Initial setting" on the Key Operator Mode screen.

9. Touch to select "3. IP address setting" on the System Initial Setting Menu screen.
Set the appropriate IP address / subnet mask / gateway address and other items according to your network administrator's instructions.
If you use a cross cable to connect, you can use the default values.
10. Input other machine address in "IP address (TANDEM)."

Caution:

If you selected "OFF (0)" by mistake in step 5, the "IP address (TANDEM)" key cannot be selected in step 9.

11. Touch "Line speed setting" on the screen.
12. Set the appropriate line speed according to the hub or other specifications in the line-speed setting screen, then touch "OK."
When using a cross cable or if there are no specifications, leave it as "Automatic."
13. Turn the power OFF and then ON.

Caution:

Perform the above procedure from step 3 to 13 again for the other machine.