

## OPERATING INSTRUCTIONS

## FOR USERS IN UNITED STATES

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

B Reorient or relocate the receiving antenna.

B Increase the separation between the equipment and receiver.

B Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

B Consult the dealer or an experienced radio/TV technician for help.

The user may find the booklet "Something About Interference" available from FCC local regional offices helpful.

**FCC Warning:** To assure continued FCC emission limit compliance, the user must use the recommended shielded interfacing cable when connecting to a host computer. Also, any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

### Technical Support Calls

If you have read this manual and tried the troubleshooting procedures and you are still having difficulty, please contact the reseller from which the unit was purchased. You may also call the end user technical support telephone number which is operational during East Coast business hours (9:00 AM to 7:00 PM). The end user technical support number is 1-888-744-2424.

This number is available within the U.S. only.

### Helpful Phone Numbers

|                                                  |                                                                             |
|--------------------------------------------------|-----------------------------------------------------------------------------|
| To locate your nearest sales dealer              | CALL 1-800-742-8086 ask for COLOR                                           |
| To order consumables                             | CALL 1-800-222-0584                                                         |
| To order operating instructions/CD's             | CALL 1-800-833-9626                                                         |
| To locate your nearest authorized service center | CALL 1-888-744-2424                                                         |
| For technical support                            | CALL 1-888-744-2424                                                         |
| Automated 24-hour support via Fax back           | CALL 1-800-222-0584                                                         |
| Electronic bulletin board                        | CALL 1-201-863-7845                                                         |
| World Wide Web Technical & Driver Support        | <a href="http://www.panasonic.com/alive">http://www.panasonic.com/alive</a> |

■ When using the network card, use the following shielded cable.

For 10 Base T: Category 3, 4 or 5 shielded cable.

For 100 Base TX: Category 5 shielded cable.

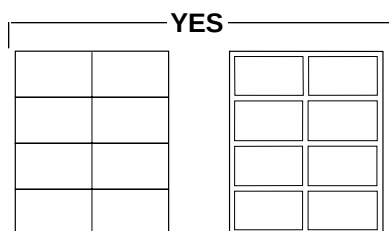
## ■ Transparencies and labels

Panasonic has tested and found that the following work satisfactorily:

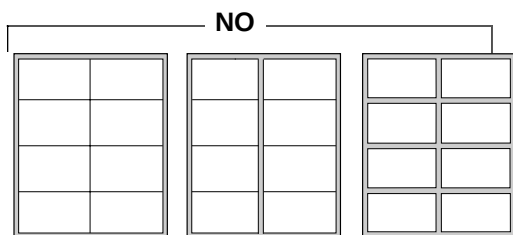
**OHP transparency:** 3M CG3710, Folex BG74.5

**Labels:** AVERY 5163, AVERY 5164, AVERY 5165, Avery L7163, Avery L7165, Avery L7166, Avery L7167, Avery L7168, Avery L7169

- Re-using transparencies that have been fed through the printer once (for example, after jams or if the transparency is ejected without being printed) can reduce the life of the consumables and paper path components.
- With any label stock, the labels must completely cover the backing material.



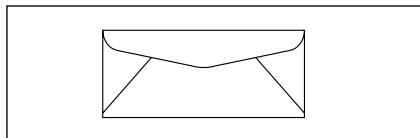
Labels cover the entire backing material.



The backing material is exposed.

## ■ Envelopes

It is recommended that you print in black text only and purchase high quality #10 laser envelopes with diagonal seams, as shown in the diagram below:



High quality envelopes have the following characteristics:

- A thin, sharply creased leading edge
- Paper weight of 90 g/m<sup>2</sup> (24 lbs.)
- Flat, free of curls, wrinkles, nicks, etc.

### Note:

- Wrinkle may occur in some case, even if high quality envelopes are used.

## Bidirectional Parallel Interface

The bidirectional parallel interface is based on the IEEE P1284-B standard.

If your computer has a bidirectional parallel port, the printer driver and printer can take advantage of faster data transfer.

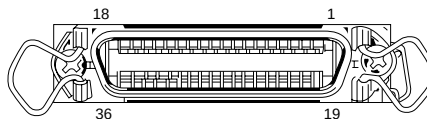
### Specifications

|                |                                                       |
|----------------|-------------------------------------------------------|
| Connector Type | IEEE 1284-B type connector                            |
| Cable          | Use a shielded cable 2 m (6.6 ft.) or less in length. |

### Pin configuration

| Signal Pin | Return side pin | Signal          |
|------------|-----------------|-----------------|
| 1          | 19              | nStrobe         |
| 2          | 20              | Data 1          |
| 3          | 21              | Data 2          |
| 4          | 22              | Data 3          |
| 5          | 23              | Data 4          |
| 6          | 24              | Data 5          |
| 7          | 25              | Data 6          |
| 8          | 26              | Data 7          |
| 9          | 27              | Data 8          |
| 10         | 28              | nAck            |
| 11         | 29              | Busy            |
| 12         | 28              | Perror          |
| 13         | 28              | Select          |
| 14         | 30              | nAutoFD         |
| 15         | —               | NC              |
| 16         | —               | GND             |
| 17         | —               | FG              |
| 18         | —               | +5V(Peripheral) |
| 31         | 30              | nInit           |
| 32         | 29              | nFault          |
| 33         | —               | NC              |
| 34         | —               | NC              |
| 35         | —               | NC              |
| 36         | 30              | nSelectIn       |

### Parallel Interface connector (printer side)



### Notes:

- "Return" denotes the return side wire of a twisted pair cable and is connected to signal ground.
- Be sure to use only a shielded cable. The printer will not operate properly if any of the pins is not connected.