

# Document for Technical Training

## KX-NS PBX RJ45 Cabling

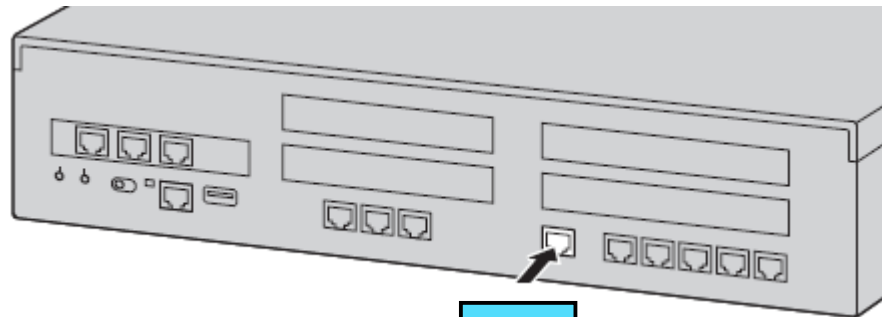
**December 25, 2013**

Panasonic System Networks  
PBX SE team

Specifications are subject to change without notice.

# 1. Cable for Programming

One RJ45/RJ11 convert cable is shipped with main cabinet. This is useful to program PBX using digital PT in dealer's office before cabling in customer's office.



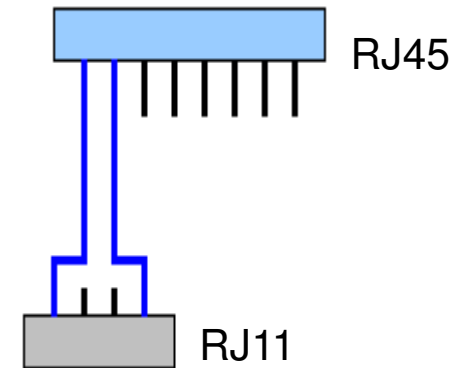
RJ45

RJ11



KX-T76xx, KX-DT3xx or KX-DT5xx  
with 3 or 6-line LCD

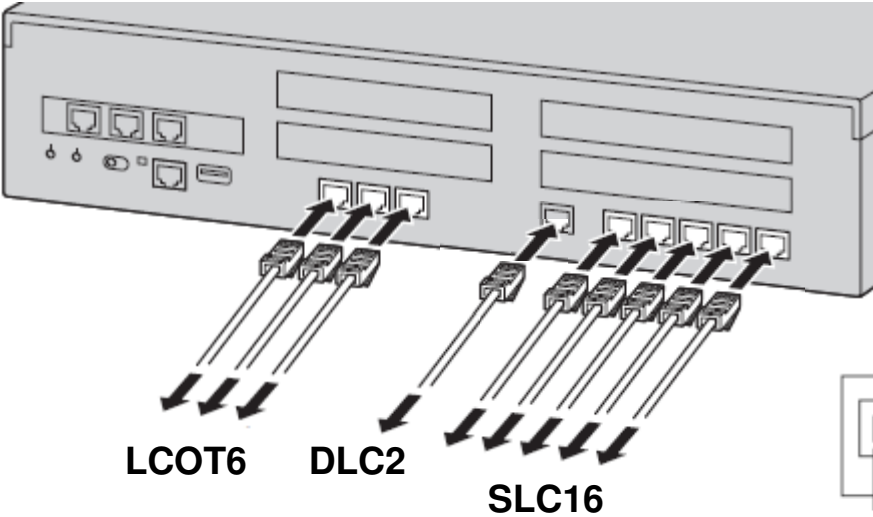
DLC2	1	2	3	4	5	6	7	8
1-2	D1A	D2A	D1B			D2B		



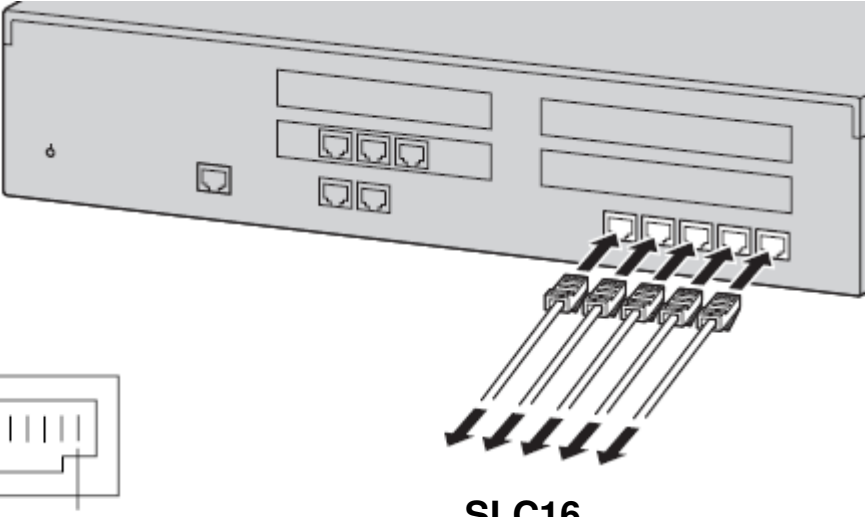
This cable is shipped with main cabinet for first half year.

# 2. Main Cabinet / Expansion Cabinet

Main cabinet



Expansion Cabinet



LCOT6	1	2	3	4	5	6	7	8
1-2	TA	RA					TB	RB
3-4	TC	RC					TD	RD
5-6	TE	RE					TF	RF

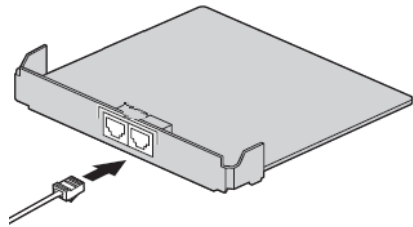
  

DLC2	1	2	3	4	5	6	7	8
1-2	D1A	D2A	D1B			D2B		

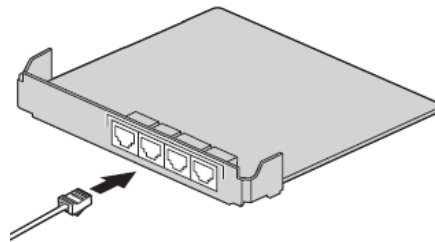
SLC16	1	2	3	4	5	6	7	8
1-2	TA	RA					TB	RB
3-4	TC	RC					TD	RD
5-8	TE	RE	TF	TG	RG	RF	TH	RH
9-12	TI	RI	TJ	TK	RK	RJ	TL	RL
13-16	TM	RM	TN	TO	RO	RN	TP	RP

# 3. Optional Card for Extension / Analog CO

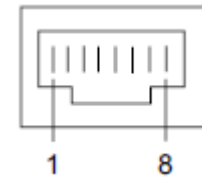
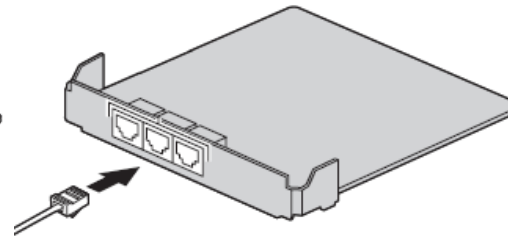
**DHLC4 / SLC8 / DLC8**



**SLC16 / DLC16**



**LCOT6**



**SLC8**

	1	2	3	4	5	6	7	8
1-4	TA	RA	TB	TC	RC	RB	TD	RD
5-8	TE	RE	TF	TG	RG	RF	TH	RH

**DLC8**

	1	2	3	4	5	6	7	8
1-4	D1A	D2A	D1B	D1C	D2C	D2B	D1D	D2D
5-8	D1E	D2E	D1F	D1G	D2G	D2F	D1H	D2H

**SLC16**

	1	2	3	4	5	6	7	8
1-4	TA	RA	TB	TC	RC	RB	TD	RD
5-8	TE	RE	TF	TG	RG	RF	TH	RH
9-12	TI	RI	TJ	TK	RK	RJ	TL	RL
13-16	TM	RM	TN	TO	RO	RN	TP	RP

**DLC16**

	1	2	3	4	5	6	7	8
1-4	D1A	D2A	D1B	D1C	D2C	D2B	D1D	D2D
5-8	D1E	D2E	D1F	D1G	D2G	D2F	D1H	D2H
9-12	D1I	D2I	D1J	D1K	D2K	D2J	D1L	D2L
13-16	D1M	D2M	D1N	D1O	D2O	D2N	D1P	D2P

**DHLC4**

	1	2	3	4	5	6	7	8
1-2	D1A	D2A	D1B	TB	RB	D2B	TA	RA
3-4	D1C	D2C	D1D	TD	RD	D2D	TC	RC

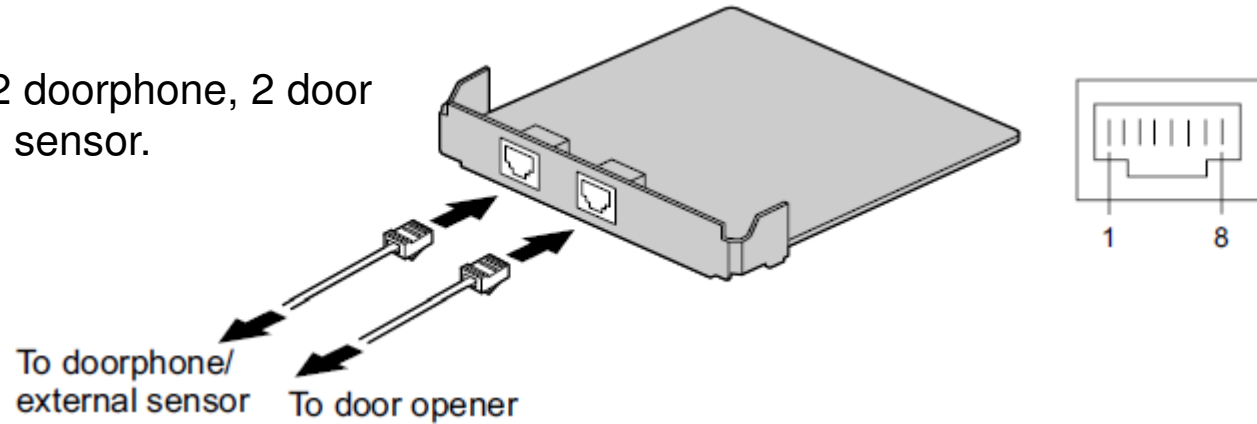
**LCOT6**

	1	2	3	4	5	6	7	8
1-2	TA	RA					TB	RB
3-4	TC	RC					TD	RD
5-6	TE	RE					TF	RF

## 4. Optional Card for Doorphone

### DOOR2 : KX-NS5162

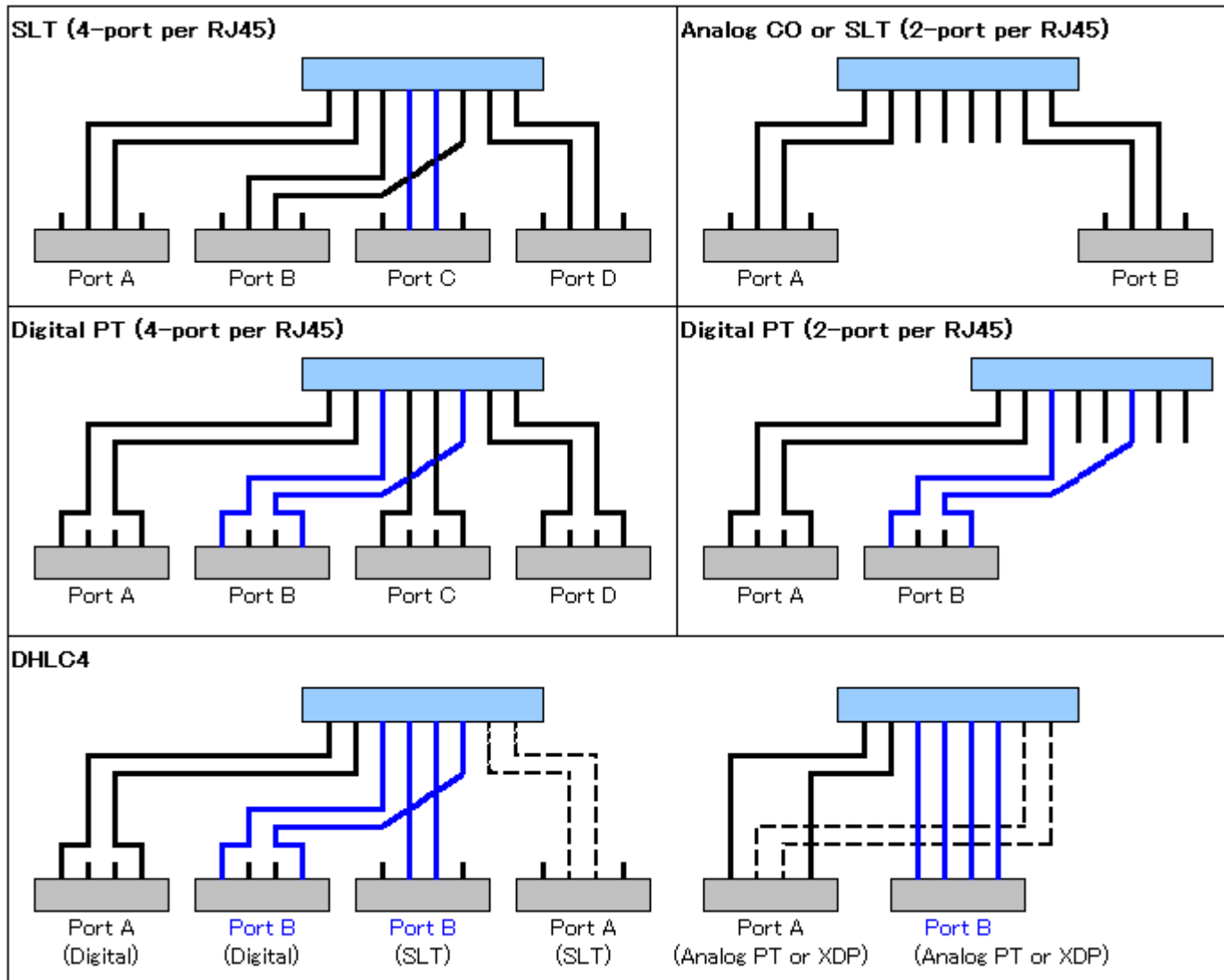
A doorphone card for 2 doorphone, 2 door opener, and 2 external sensor.



1	Doorphone 1 transmit
2	Doorphone 1 receive
3	Sensor 1
4	Doorphone 2 transmit
5	Doorphone 2 receive
6	Sensor 1 common
7	Sensor 2
8	Sensor 2 common

1	Doorphone opener 1
2	Doorphone opener 1 com
3	
4	
5	
6	
7	Doorphone opener 2
8	Doorphone opener 2 com

# 5. Connection Diagram

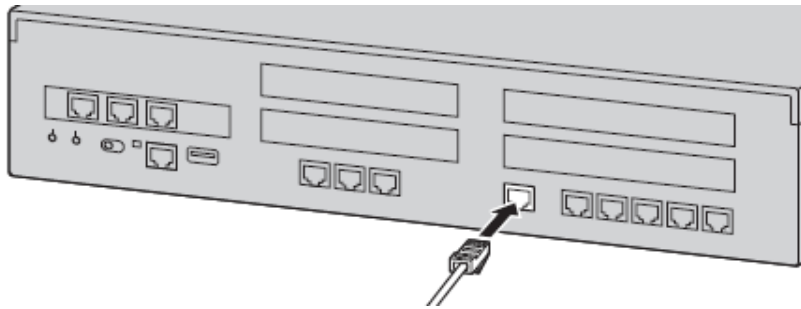


————— RJ45 - RJ11 straight cable can be used.

# Improvement from Sample

# 6. Improvement from Sample

## DLC2



<Sample>

DLC2	1	2	3	4	5	6	7	8
1-2	D1A	D2A					D1B	D2B

<Mass Production>

DLC2	1	2	3	4	5	6	7	8
1-2	D1A	D2A	D1B			D2B		

## DOOR2 : KX-NS5162

<Sample>

1	Doorphone 1 transmit
2	Doorphone 1 receive
3	Sensor 1
4	Sensor 2
5	Sensor 1 common
6	Sensor 2 common
7	Doorphone 2 transmit
8	Doorphone 2 receive

<Mass Production>

1	Doorphone 1 transmit
2	Doorphone 1 receive
3	Sensor 1
4	Doorphone 2 transmit
5	Doorphone 2 receive
6	Sensor 1 common
7	Sensor 2
8	Sensor 2 common



**Thank you !**