

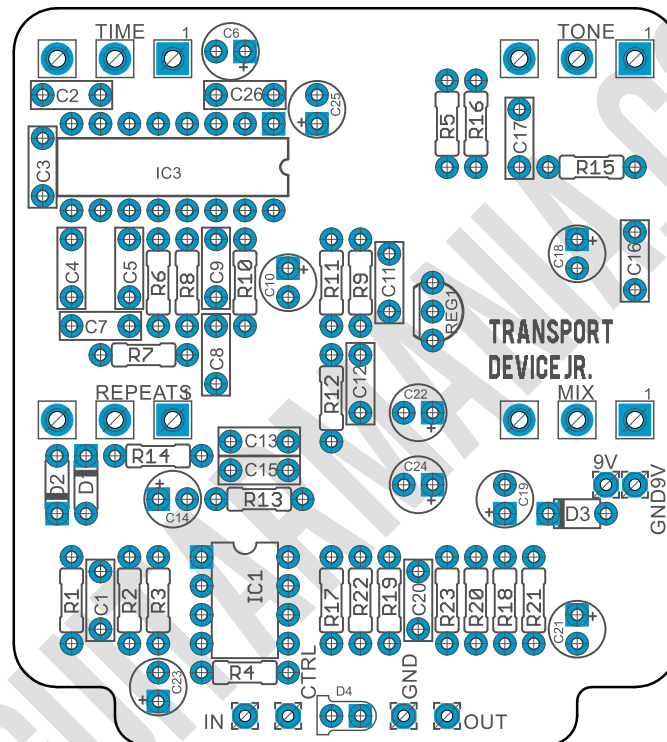
Transport Device Jr.

Based EQD's Disaster transportation Jr.

Delay

By PCB Guitar mania Mania

[Project link](#)



The Transport Device JR is an analog voiced digital delay with 625ms delay time with an all analog dry signal path

- Ready to be wired as True Bypass.
- Tight design to fit in a 125B Enclosure with pots and switches on board.
- Works based on a PT-2399

BOM

Resistors		Caps	
R1	1M	C1	220n
R2	470K	C2	100n
R3	470K	C3	100n
R4	220K	C4	100n
R5	1K	C5	100n
R6	10K	C6	10u electro
R7	10K	C7	22n
R8	10K	C8	22n
R9	10k	C9	2n2
R10	22K	C10	1u electro
R11	47k	C11	1n
R12	10k	C12	22n
R13	22k	C13	22n
R14	22k	C14	1u electro
R15	20K	C15	100n
R16	220K	C16	22n
R17	47K	C17	22n
R18	10K	C18	1u electro
R19	47k	C19	1u electro
R20	100k	C20	100p
R21	LED	C21	1u electro
R22	10K	C22	100u electro
R23	10K	C23	10u electro
		C24	100u electro
Ics		C25	100u electro
IC1	TL072	C26	100n
IC2	Pt-2399		
REG1	78L05	Pots	
		REPEATS	B5k
Diodes		TIME	B50K
D1	1n4148	TONE	B25K
D2	1n4148	MIX	B5K
D3	1n5817		
D4	LED3MM		

Shopping list

Resistors

6	10K	R6, R7, R8, R18, R22, R23
2	10k	R9, R12
1	1K	R5
1	1M	R1
1	20K	R15
2	220K	R4, R16
1	22K	R10
2	22k	R13, R14
2	470K	R2, R3
1	47K	R17
2	47k	R11, R19
1	LED	R21
1	100k	R20

Caps

6	22n	C7, C8, C12, C13, C16, C17
1	2n2	C9
1	220n	C1
6	100n	C2, C3, C4, C5, C15
1	100p	C20
3	100u electro	C22, C24
5	1u electro	C10, C14, C18, C19, C21
1	1n	C11
2	10u electro	C6, C23

Pots

1	B25K	
1	B50K	
1	B5K	
1	b5k	

Diodes

2	1n4148	D1, D2
1	1n5718	D3

Semiconductors

1	TL072	IC1
1	Pt-2399	IC3
1	78L05*	Reg1

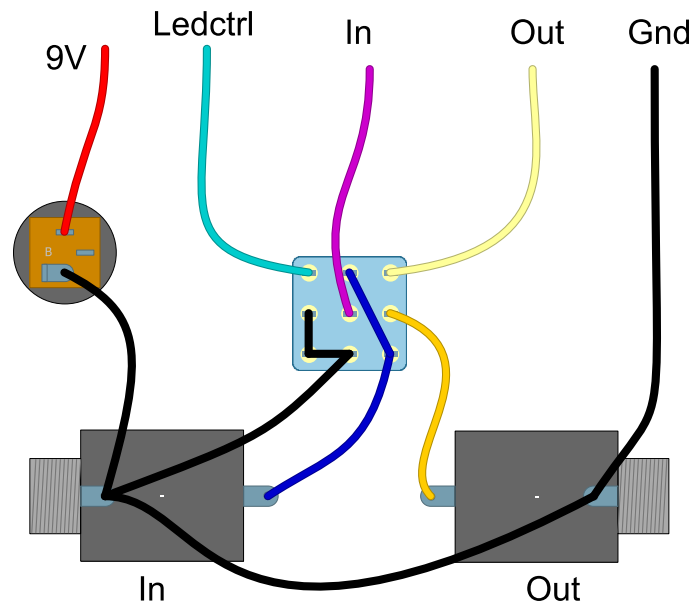
78L05* It's recommended to use a 78L05 on a TO-92 package.

General Building notes

To populate the PCB it's recommended to follow this order.

1. Resistors & diodes
2. IC Sockets (set up the proper IC at last)
3. Capacitors, starting with the smaller ones and the ceramic ones.
4. Electrolytic capacitors (always check the polarity)
5. Transistors
6. Wires
7. Potentiometers
8. Off board wiring

Off Board Wiring



Drilling the enclosure

This Project has been planned to fit into a 125B enclosure type (122x67x35mm approx.)

Check the Attached "Drilling templates" to drill the box properly. The files are on Scale 1:1, ready to print in a A4 page.

Schematic

