

Shopping list for a “PAMA” system

This shopping list is intended to give you some guidance. It is NOT the only way to setup such a system. It is just one way to do it and we know, that this will work.

Hardware:

- Five SDC omni microphones
- Four SDC cardioid microphones
- Two SDC hyper-cardioid microphones
- Two SDC figure-of-eight microphones
- Thirteen XLR microphone cables. At least 10 m / 30 feet long. The longer, the better!
- If you like it more compact, you may want to check out: Three RJ45 DMX Shuttle Snake FX4 /MX 4 set consisting of XLR connectors on the one side of the box and a RJ45 connector on the other side. And then you'll need only two more XLR microphone cables, for the outriggers.
- Then you will need three CAT6E Cable 10+ m with RJ45 connectors in a XLR connector. This is NOT necessary, but more reliable in the field and if you might step onto it by accident. The cables should be CAT6E, as it has leads with a bigger diameter, which have less resistances and so they are effecting the sound even less.
- Some microphone stand extensions as listed below.
- A pair of needle-nose pliers, a pair of combination pliers and a tape measure (3m is enough)
- **Wind protection for your microphones.** It won't be the first and never be the last recording ruined by the wind. You may get a long with the ones usually provided with your microphones, but if your are outside, you should consider something more robust and effective. We learned, that wind protection can't be never good enough. Of course there are units that meet highest professional standards, but they do cost these standards too. So it's on you to find the best compromise to meet your needs.

Handheld Recorder

Please note, that we have twelve, resp. thirteen microphones. So we need a recorder with at least 12 resp. 13 XLR-inputs or two recorders that can be timely synchronized.

Such recorders could be:

- Zoom F6, F8n, F8n Pro – Zoom H6 Studio / essentials, Zoom H4
- SoundDevices MixPre-10 II, MixPre-3 II, 888, 833, Scorpio ... or any other device.

Important!

You should also have enough batteries with you and make sure they are freshly charged, before you leave the house. As there are so many vendors out there for this, it's impossible to recommend something. The more „mAh“ the batteries has, the longer it will serve you.

Something to mention:

This array is reaching the limits of the gear used. We tried to find the best compromise between, weight, reliable gear and costs.

You may alter any position of this setup to your own needs.

Shopping list:

# items	Item	Price per unit	Subtotal
4	SDC microphone, cardioid incl. clamps		
2	SDC microphone, hyper-cardioid incl. clamps		
5	SDC microphone, omni incl. clamps		
2	SDC microphone, figure-of-eight incl. clamps		
3	Nylon string ~ 4 mm, 2.0 m + tent rope tensioner		
13	Wind protection units for the microphones		
13/2	XLR microphone cable, at least 10 m long		
6	Male/male 3/8" thread adapter (Roadworx ThreadAdapter 4)		
2	Male/female 3/8" thread adapter		
9	Manfrotto Rapidadapter 014-38		
6	K&M 20004 50 cm rod		
11	K&M 20002 26 cm rod		
4	Roadworks thread cube		
1	Manfrotto Dado Kit with 6 tubes		
1	Manfrotto 8 cm tube		
0/3	RJ45 DMX Shuttle Snake FX4 (XLR female)		
0/3	RJ45 DMX Shuttle Snake MX4 (XLR male)		
0/3	Cat 6e cable (at least 10 m / 15 feet long)		
2	Handheld recorder with at least 8 XLR mic inputs		
1	Set of needle-nose and combination pliers, tape measure		
Some	Velcro stripes for fixing the cables		
		TOTAL	

The extra sets of batteries are not visible on this picture, but you **always** should have them with you!

