

Using Flash Guide Numbers

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Use either/or, A or B. The Guide Number Chart in the flash manual is the source of the Guide Numbers for each speedlight zoom or power level. However, mode C is a special option to enter Both aperture and distance as your goal of desired settings. Then setting Power or ISO to correct that exposure are the best choices to achieve that goal, but there are four possibilities (including changing goals of distance or aperture).

~~Understanding Camera Flash Guide Numbers, plus GN Calculator~~

Tutorial: How to use the guide number of your flash. $GN = \text{distance} * f\text{-stop}$. Your flash's Guide Number (GN) is determined at 100 ISO, when it gives correct exposure at a certain distance, multiplied by the f-stop

~~Tutorial: How to use the guide number of your flash - Tangents~~

Flash Guide Number Distance, Aperture and ISO. In order to understand how a flash guide number is calculated, you first have to understand... A Balanced Exposure. Ideally, you'd like to capture photos that look like #3 all the time - but this is sometimes... Flash Guide Number Formula. Before we dig ...

~~Flash Guide Number~~

In short, guide numbers on a flash indicate how much light that flash can produce. You'll see them in the specs indicated in either meters or feet. The higher the guide number the further the flash will reach. The specifications will also show the flash settings at which the guide number is calculated, including the ISO and flash zoom setting.

~~Guide Numbers Explained for Manual Flash - Calculator - - -~~

Guide Number, usually abbreviated GN, determines power rating of flash unit that describes how powerful flash unit is and how far it can shoot. In another word, GN specifies the power of an electronic flash in a way that it can be used to determine the right f-stop to use at a particular shooting distance and ISO setting.

~~Understanding Flash's Guide Number (GN) - Daily - - -~~

The flash guide number (GN) is a measure of the distance at which the flash can illuminate a subject. The higher the guide number, the greater the distance at which the light from the flash is sufficient for optimal exposure. The formula for calculating the guide number is as follows: $\text{Guide number (GN)} = \text{distance (meters)} * \text{aperture (f-number)}$

~~Flash Level (Guide Number) - Nikon | Imaging Products~~

A flash's power is determined by its Guide Number, with low Guide Numbers (GN) indicating a weak or less powerful flash than one with a high GN. For ease of comparison, most flash GNs are rated for an ISO 100 film. If you use a film with a lower ISO the GN will be lower, and, conversely, if you use a higher speed film the GN will be higher.

~~Flash Photography - Understanding Guide Numbers~~

As a method of standardizing the process, manufacturers use ISO 100 a nd a flash-to-subject distance of 10' as fixed reference points when calibrating guide numbers. An example of this formula: a flash unit with a GN of 40 would require an aperture of f/4 at a subject-to-flash distance of 10' ($GN = 10' * f/4 = 40$).

~~Understanding Guide Numbers | B&H Explora~~

Guide Number simply is the multiplied product of (flash distance x f/stop) for a proper exposure situation (normally specified for ISO 100). For example, if a certain Guide Number were equal to 100 (feet), then it says a correct direct flash exposure is f/20 at 5 feet, or f/5 at 20 feet, or f/10 at 10 feet, etc.

~~Compare Power Rating of Camera Flashes with Guide Numbers~~

When setting photoflash exposures, the guide number (GN) of photoflash devices (flashbulbs and electronic devices known as "studio strobes", "on-camera flashes", "electronic flashes", "flashes", and "speedlights") is a measure photographers can use to calculate either the required f-stop for any given flash-to-subject distance, or the required distance for any given f-stop. To solve for either of these two variables, one merely divides a device's guide number by the other.

~~Guide number - Wikipedia~~

Flash guide numbers are usually given with an ISO and a focal length. The ISO given is usually 100, but the focal lengths vary. How do I compare the power of two flash units if the focal lengths given for the guide numbers are different? For example, how do I compare the power of these two flash units:

~~Compare Flash Guide Numbers for Different Focal Lengths - - -~~

The same flash at 20 feet, for example, would use an aperture of f/4 ($80 \div 20 = 4$). I suppose the argument can be made that automatic flash and TTL metering have rendered guide numbers almost obsolete. In the early days of electronic flash, there was no such thing as TTL metering. Everything was manual.

~~Making Sense of Your Flash's Guide Number - DIY Photography~~

Specifically, a flash unit's guide number indicates how much light the unit will emit in relation to a standard film speed. The higher the guide number, the more powerful the flash. This number is usually indicated in the owner's manual of the flash. It's represented as "GN 118 with ISO 100 film."

~~Demystifying Flash Guide Numbers~~

Join Daniel Norton OnSet as he shows you how to use your small flash's guide number to determine correct exposure. When working with flashes in manual mode, the guide number will help you quickly...

~~Flash Guide Number - OnSet ep. 70 - YouTube~~

Guide numbers are the standardized, numerical way of determining the power of a flash, with a higher guide number representing a more powerful flash. A guide number is the product of multiplying the f/stop of an exposure with a given distance, at ISO 100; or $GN = f/\text{number} * \text{distance}$.

~~A Guide to On-Camera Flash | B&H Explora~~

Flash Photography 101, Chapter 4 - Guide Numbers and High Speed Sync in Flash and Studio Lighting Using the guide numbers for FP Flash and 105mm zoom How to use guide numbers in manual flash nikon d3100 forum, i'm kind of confused regarding guide numbers how do i use it to get proper exposure using manual flash?.

~~How to use guide numbers on a flash - Telegraph~~

This week I'm going to explain some of the confusing features and numbers that you find when looking at your flash to help you understand and use your flash better! This video is a video from my ...

~~Understanding Flash Features: Guide Number, Recycle Time and Zoom~~

The number you need to consider the most when buying a flash is what is known as the Guide Number. So what is this? Well the way it is expressed is usually like this "80 feet at ISO 100" and what this tells you is maximum flash to subject distance that the flashgun can deal with.